

DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
OFFICE OF STANDARDS SERVICES

COMMERCIAL STANDARD CS215-58
BODY MEASUREMENTS FOR THE SIZING OF WOMEN'S PATTERNS AND APPAREL

CS215-58, Body Measurements for the Sizing of Women's Patterns and Apparel, was superseded by Product Standard PS42-70, Body Measurements for the Sizing of Women's Patterns and Apparel. PS42-70 was withdrawn by the Department of Commerce in 1983.

NIST is no longer involved in any activities related to apparel-size standards. On March 21, 1983, the five apparel standards (for boys, young men, girls, women, and infants, babies, toddlers and children) that had been maintained by NIST under the Voluntary Product Standards (VPS) Program were withdrawn. This is in accordance with procedures announced in January 1983 by the Department of Commerce to withdraw the apparel standards after their sponsorship had been assumed by the private sector.

The American Society for Testing and Materials (ASTM) is developing standards on sizing of apparel for infants, children, teens, and adults. In October 1982, ASTM established Subcommittee D13.55 on Body Measurement and Apparel Sizes within Committee D13 on Textiles to take over work that was handled previously by the Commerce Department's National Institute of Standards and Technology. For information on standards activities of Subcommittee D13.55, contact:

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You may also wish to contact the American Apparel Manufacturers Association (AAMA), 2500 Wilson Boulevard, Suite 301, Arlington, Virginia 22201, USA; Telephone: (703) 524-1864; Fax: (703) 522-6741.

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The activity on body-size standards began in the late 1940's under the Department of Commerce, with NIST serving as a coordinator and point of contact for copies of the documents. The VPS body-size standards were developed by committees made up of textile manufacturers, designers, and retailers, and based on measurements obtained from the Department of Agriculture. Support for the body-size standards was provided by the Mail Order Association.

International Market Research (IMR) Reports

IMR reports are original studies of growth export markets for selected U.S. industries. They are prepared on the spot in the country of research, by market consultants under contract to the U.S. Department of Commerce or by the U.S. Foreign Commercial Service. The reports reflect the opinions and view of the surveyed country's end users, importers, agents, distributors and government officials. Fees for such reports are between \$50 and \$100, depending on length of the report.

Stephen B. Strauss,

Deputy Assistant Secretary for Trade Information and Analysis.

FR Doc. 83-1585 Filed 1-19-83; 8:45 am]

BILLING CODE 3510-25-M

National Bureau of Standards**Status Report on Voluntary Product Standards**

AGENCY: National Bureau of Standards, Commerce.

ACTION: Development, maintenance, and withdrawal of certain voluntary standards.

SUPPLEMENTARY INFORMATION: On August 30, 1982, the Department of Commerce (Department) announced in the *Federal Register* (47 FR 38171) the status of 26 standards classified as voluntary standards. The announcement was made in accordance with the revised "Procedures for the Development of Voluntary Product Standards" (15 CFR Part 10).

The August 30, 1982, notice specified the retention of specific standards for fixed periods of time. The updated status of all existing voluntary standards is indicated below.

The following Voluntary Product Standards will continue to be maintained by the Department:

Standard and Proponent Organization

PS 1-74 "Construction and Industrial Plywood", American Plywood Association
PS 20-70 "American Softwood Lumber Standard", American Lumber Standards Committee
PS 73-77 "Carbonated Soft Drink Bottles", Glass Packaging Institute

The Department has agreed to sponsor the development of a Voluntary Product Standard for the production of carbonated soft drinks in glass bottles, which was requested by the National Soft Drink Association. It has been determined that this standards project meets the six requirements for

Department sponsorship stated in § 10.0(b) of the mentioned Procedures.

The following standards will be retained by the Department until January 20, 1984, to permit the orderly transfer of sponsorship of such standards from the Department to the identified organizations.

PS 56-73 "Structural Glued Laminated Timber", American Institute of Timber Construction

PS 67-76 "Marking of Gold Filled and Rolled Gold Plate Articles Other Than Watchcases", Jewelers Vigilance Committee

PS 68-76 "Marking of Articles Made of Silver in Combination with Gold", Jewelers Vigilance Committee

PS 69-76 "Marking of Articles Made Wholly or in Part of Platinum" Jewelers Vigilance Committee

PS 70-76 "Marking of Articles Made of Karat Gold", Jewelers Vigilance Committee

PS 71-76 "Marking of Jewelry and Novelties of Silver", Jewelers Vigilance Committee

PS 72-76 "Toy Safety", American Society for Testing and Materials

In accordance with § 10.13 of the mentioned Procedures, notice is hereby given of the withdrawal of the following standards. This action is taken in furtherance of the Department's announced intentions as set forth in the August 30, 1982, notice to withdraw these standards. The effective date for the withdrawal of the standards will be March 21, 1983. This withdrawal action terminates the authority to refer to these standards as voluntary standards developed under the Department of Commerce procedures. The organizations listed below have assumed responsibility for the standards.

* PS 36-70 "Body Measurements for the Sizing of Boys' Apparel", American Society for Testing and Materials

* PS 42-70 "Body Measurements for the Sizing of Women's Patterns and Apparel", American Society for Testing and Materials

* PS 45-71 "Body Measurements for the Sizing of Apparel for Young Men (Students)", American Society for Testing and Materials

PS 51-71 "Hardwood and Decorative Plywood", Hardwood Plywood Manufacturers Association

* PS 54-72 "Body Measurements for the Sizing of Girls' Apparel", American Society for Testing and Materials

PS 63-75 "Latex Foam Mattresses for Hospitals", American Society for Testing and Materials

PS 66-75 "Safety Requirements for Home Playground Equipment", American Society for Testing and Materials

* CS 151-50 "Body Measurements for the Sizing of Apparel for Infants, Babies, Toddlers and Children (for the Knit

Underwear Industry)", American Society for Testing and Materials

FOR FURTHER INFORMATION CONTACT:
[REDACTED] Office of Product Standards Policy, National Bureau of Standards, Washington, D.C. 20234.
[REDACTED]

Dated: January 6, 1983.

Ernest Ambler,

Director.

[FR Doc. 83-927 Filed 1-19-83; 8:45 am]

BILLING CODE 3510-13-M

Office of the Secretary**President's Private Sector Survey on Cost Control Open Meeting**

AGENCY: Office of the Secretary, Commerce.

ACTION: Notice of Public meeting of the Executive Committee of the President's Private Sector Survey on Cost Control.

SUMMARY: The President's Private Sector Survey on Cost Control was established by the President pursuant to Executive Order 12369 of June 30, 1982, and extended by Executive Order 12398 of December 31, 1982. The Executive Committee of the Survey is chartered by the Department of Commerce as a public advisory committee in accord with the Federal Advisory Committee Act.

The purpose of the President's Private Sector Survey on Cost Control is to conduct a private sector survey on cost control in the Federal Government and to advise the President, the Secretary of Commerce, and other Executive agency heads with respect to improving management and reducing costs.

Time and Place

February 4, 1983 at 11:00 a.m. The meeting will take place at the U.S. Department of Commerce Auditorium, First Floor, Herbert C. Hoover Building, 14th Street and Constitution Avenue, N.W., Washington, D.C. 20230.

Agenda

(1) Receive a status report on activities of the President's Private Sector Survey.

(2) Establish a Subcommittee of the Executive Committee. The purposes of the Subcommittee are: (i) To review the recommendations submitted, including task force reports and public comments, and (ii) determine which recommendations should be made to the President and Departments and Agencies.

SUPPLEMENTARY INFORMATION: To accomplish the President's objective that the survey be funded, to the

Superseded by PS 42-70

WITHDRAWN

COMMERCIAL STANDARD

CS215-58

**Body Measurements for the Sizing of
Women's Patterns and Apparel**

WITHDRAWN

FILE COPY

A recorded
voluntary standard of the
trade published by
the U.S. Department
of Commerce



Body Measurements for the Sizing of Women's Patterns and Apparel¹

[T-Shirts effective July 1, 1958; Swimwear effective spring and summer merchandise 1959; Sweaters effective fall and winter merchandise 1959.]

1. PURPOSE

1.1 The primary purpose is to provide standard classifications, size designations, and body measurements for consistent sizing of women's ready-to-wear apparel (Misses', Women's, Juniors', etc.) for the guidance of those engaged in producing, or preparing specifications for, patterns and ready-to-wear garments. *The measurements given in this standard are body, not garment, measurements.*

1.2 Another purpose is to provide the consumer with a means of identifying her body type and size from the wide range of body types covered, and enable her to be fitted properly by the same size regardless of price, type of apparel, or manufacturer of the garment.

2. SCOPE

2.1 This standard covers body measurements for 4 classifications of women, as follows:

- (a) Misses'
- (b) Women's
- (c) Half-sizes (shorter women)
- (d) Juniors'

2.2 This standard covers nine different body types, divided into:

Three height groups:	Symbol
Tall	T
Regular	R
Short.....	S

¹This system of sizing has been endorsed by firms representing the majority of production of women's knitted outerwear; primarily, swimwear, sweaters, and T-shirts.

This has also been endorsed by nationwide mail-order distributors for the sizing of daytime dresses, evening dresses, coats, ensembles, toppers, suits, skirts, playwear (playsuits, halter tops, shirts, shorts, jackets, pedal pushers, pants, coordinates and separates), rainwear, robes, and uniforms.

Three bust-hip groups for each height:

The bust is the same for all groups.
The hip types are:

Slender.....	- (minus)
Average.....	No symbol
Full	+ (plus)

The size is associated with the bust. Thus, a three-way system has been created, which includes:

The size number.--Based on the bust measurement.

The height group.

The body type.--Based on the bust-hip relationship.

The size number and symbols are combined to make the complete size designation. Examples:

14R	Size 14 bust; regular in height; average hip type.
14T-	Size 14 bust; tall in height; slender hip type.
14S+	Size 14 bust; short in height; full hip type.

2.3 The size ranges for each of the four classifications covered in the standard are shown below. (The extent of the size range for each hip type was determined by the data.)

(a) *Misses'.*

Regular height (R)

Average hip , Sizes 8 to 22—Table 1.

Slender hip - , Sizes 10 to 22—Table 4.

Full hip + , Sizes 8 to 16—Table 7.

Tall height (T)

Average hip , Sizes 10 to 20—Table 2.

Slender hip - , Sizes 12 to 18—Table 5.

Full hip + , Sizes 10 to 14—Table 8.

Short height (S)

Average hip -, Sizes 8 to 18—Table 3.
 Slender hip -, Sizes 12 to 18—Table 6.
 Full hip +, Sizes 8 to 12—Table 9.

(b) Women's.**Regular height (R)**

Average hip -, Sizes 30 to 42—Table 10.
 Slender hip -, Sizes 32 to 42—Table 12.
 Full hip +, Sizes 28 to 38—Table 13.

Tall height (T)

Average hip -, Sizes 32 to 40—Table 11.
 Slender hip -, Sizes too few to consider.
 Full hip +, Sizes 30 to 36—Table 14.

(c) Half-sizes (women's).**Short height**

Average hip, Sizes 10½ to 24½—Table 15.
 Slender hip -, Sizes 12½ to 22½—Table 16.
 Full hip +, Sizes 8½ to 20½—Table 17.

(d) Juniors' (Sizes in three height groups for the average hip only.)

Note: This Junior classification is based upon interpolations of portions of the data used in the development of the "Misses'" classification, and has traditional "odd" number size designations. Thus, the standard maintains the competitive character of the Junior classification; provides for proportioned heights; and recognizes the need for a Junior classification because of traditional styling differences.

Regular height (R)

Average hip, Sizes 7 to 19—Table 18.

Tall height (T)

Average hip, Sizes 9 to 17—Table 19.

Short height (S)

Average hip, Sizes 9 to 15—Table 20.

2.4 This standard also covers application of the system; definitions and methods of measurement; adjustments in size scales to compensate for the effect of foundation garments; tables of size ranges and corresponding measurements; recommended methods of identification; larger women's sizes (appendix A); and percent of women

in study and in the size classifications (appendix B).

2.5 An appendix C entitled, "Explanation of Relationship of Tables of Means to Tables of Size Scales," not included in the printed edition of CS215-58, is available upon request from the Commodity Standards Division, Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C., free of charge.

3. APPLICATION

3.1 The measurements given herein are applicable to:

- (a) Sizing or grading garment patterns.
- (b) Preparing specifications for ready-to-wear apparel and model forms.
- (c) Coordinating body measurements of women, as defined, with size designations for ready-to-wear apparel—underwear and outerwear.
- (d) Studying marketing aspects of ready-to-wear sizing.

4. DEFINITIONS

4.1 Definitions of the more important body landmarks are as follows:

4.1.1 Body Landmarks.

- (a) *Crown*.—Top of head.
- (b) *Cervicale*.—The prominence on the seventh or lowest cervical vertebra at the back of the neck which becomes more prominent when the head is bent forward. (Cervicale height measurements are taken, however, only when the head is in an erect position.) (Fig. 1.)
- (c) *Waist*.—The natural waistline, 3/8 inch (for shorts), 1/2 inch (for regulars) and 5/8 inch (for tall) below the lower edge of the lower floating rib, located at the side of the body in a line directly below the center of the armpit (fig. 1).

(d) *Abdominal extension*.—The level of greatest protuberance of the abdomen as viewed from the side (fig. 1).

(e) *Hip*.—The outer bony prominence of the upper end of the thigh bone (the femur) (fig. 1).

(f) *Knee*.—The inner bony prominence of the upper end of the tibia, the larger of the two bones of the leg extending from knee to ankle (fig. 1).

(g) *Ankle*.—The inner bony prominence of the lower end of the tibia at the ankle (fig. 1).

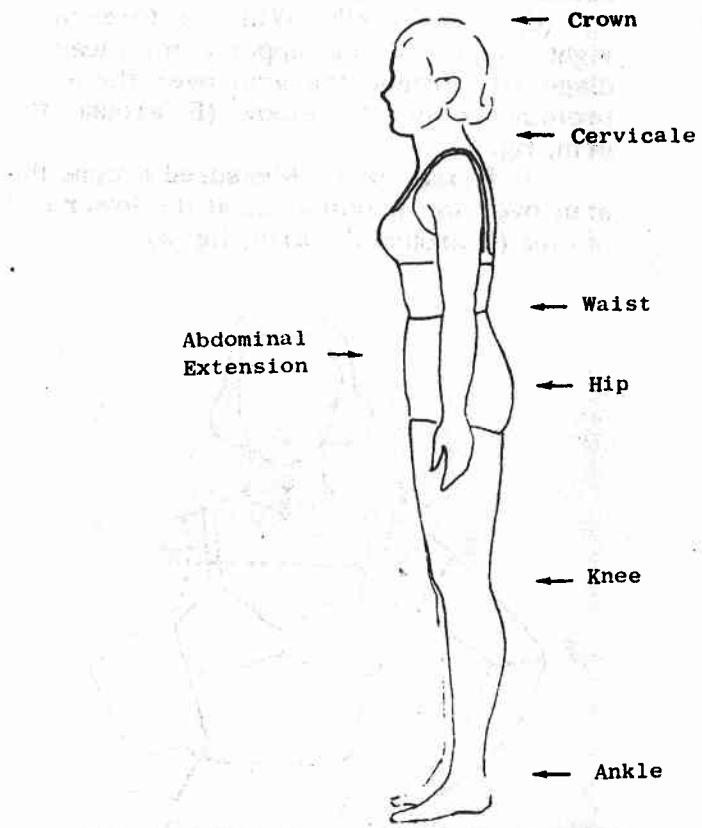


Figure 1. General location of principal body landmarks.

5. METHODS OF MEASURING—GENERAL

5.1 ACCURACY.—Body measurements are taken to the nearest $1/8$ inch.

5.2 POSITION OF SUBJECT.—Standing, except for sitting spread girth measurement.

5.3 RELATION TO FOUNDATION GARMENTS.

(a) *Girth and arc measurements*.—The principal girth measurements—bust, waist, abdominal extension, and hip—are to be taken over foundation garments, i.e., a girdle and a brassiere. These measurements have been adjusted to compensate for the effect of foundation garments. (See sec. 7.) Figure 2 illustrates the type of foundation garment to be worn.

(b) *The neck to bust length measurement*.—This measurement has been adjusted also. Figure 7 illustrates the type of garment to be worn.

(c) The garments illustrated on other figures represents the measuring costume that was used when the original body measurements were taken.

6. METHODS OF MEASURING THE BODY

6.1 VERTICAL MEASUREMENTS.—Without shoes.

(a) *Stature*.—Measured from crown to soles of feet.

(b) *Cervicale height*.—Measured from cervicale (par. 4.1.1(b)) to soles of feet.

(c) *Waist height*.—Measured from waist (par. 4.1.1(c)) to soles of feet. The waist height establishes the waist level around the body.

(d) *Abdominal extension height*.—Measured from abdominal extension level (par. 4.1.1(d)) to soles of feet.

(e) *Hip height*.—Measured from hip (par. 4.1.1(e)) to soles of feet.

(f) *Sitting spread height*.—See paragraph 6.2.2(f).

(g) *Crotch height*.—Measured from base of trunk to soles of feet.

(h) *Knee height*.—Measured from knee (par. 4.1.1(f)) to soles of feet.

(i) *Ankle height*.—Measured from ankle (par. 4.1.1(g)) to soles of feet.

6.2 GIRTH AND ARC MEASUREMENTS.—All arc measurements are taken from the imaginary vertical line extending from the mid-underarm point to the hip bone along one side of the body to a similar line on the other side.

6.2.1 *Measurements Taken Over Foundation Garments*.

(a) *Bust girth and bust arc, front*.—The girth is measured horizontally at the level of the maximum bust girth; the arc is the front portion of that measurement. (See Girth and Arc Measurements, par. 6.2 and fig. 2.)

(b) *Waist girth and waist arc, front*.—The girth is measured horizontally at waist level; the arc is the front portion of that measurement. (See Girth and Arc Measurements, par. 6.2 and fig. 2.)

(c) *Abdominal extension girth, and abdominal extension arc, anterior*.—The girth is measured horizontally at abdominal extension level; the arc is the front portion of that measurement. (See Arc Measurements, par. 6.2 and fig. 2.)

(d) *Hip girth, and hip arc, back.*--The girth is measured horizontally at hip level; the arc is the back portion of that measurement. (See Arc Measurements, par. 6.2 and fig 2.)

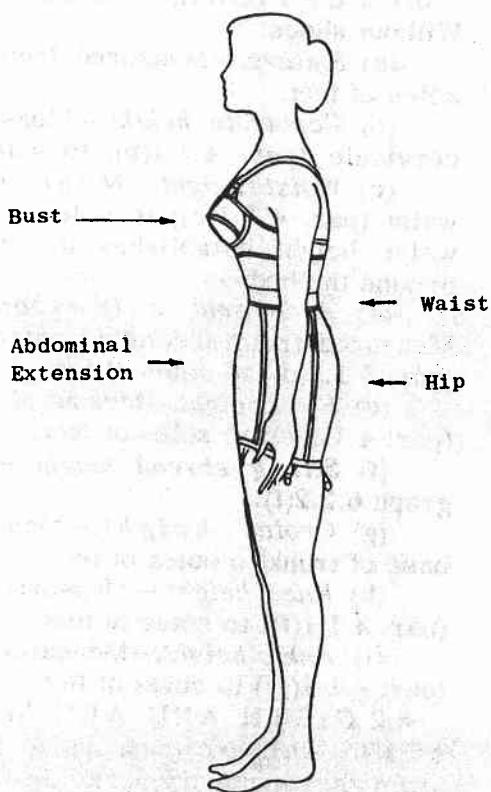


Figure 2. Location of important girth and arc measurements that are to be taken horizontally.

6.2.2 Measurements Taken Over Nude Body.²

(a) *Neck base girth.*--Measured around the neck touching the cervicale at the back, and the upper borders of the collar bone at the front, and following the curve that would be made by a fine linked chain passing over these landmarks (A through C to A, figs. 3 and 4).

(b) *Armscye girth.*--Measured from a point at the armhole edge of the shoulder, midway between the acromion and the highest prominence at the lateral end of the collar bone, and through the underarm mid-point (D) around the arm to D, figs. 3 and 4).

(c) *Upper arm girth.*--With the arm down, measured around the arm with the

upper edge of the tape measure at the level of the bottom of the armscye (E around the arm, fig. 3).

(d) *Elbow girth.*--With the forearm at right angle to the upper arm, measure diagonally around the arm over the lower prominence on the elbow (F around the arm, fig. 3).

(e) *Wrist girth.*--Measured around the arm over the prominence at the lower end of ulna (G around the arm, fig. 3).

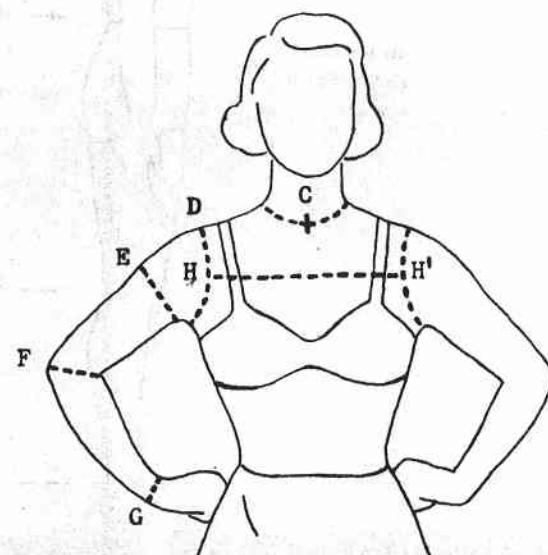


Figure 3. Cross-chest width; neck base, armscye, upper arm, elbow and wrist girths.

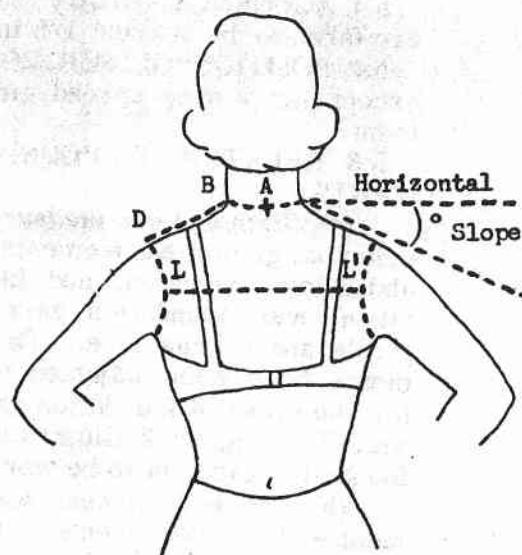


Figure 4. Cross-back width; neck base and armscye; girths; shoulder length and slope.

² See footnote 3, par. 7.2.

(f) *Sitting spread girth and height.*—The girth is measured around both legs at the most lateral extension of the upper thighs, when the subject is seated (fig. 5). The height of the sitting spread is the average height of the most lateral extension of the upper thighs when the subject is standing.

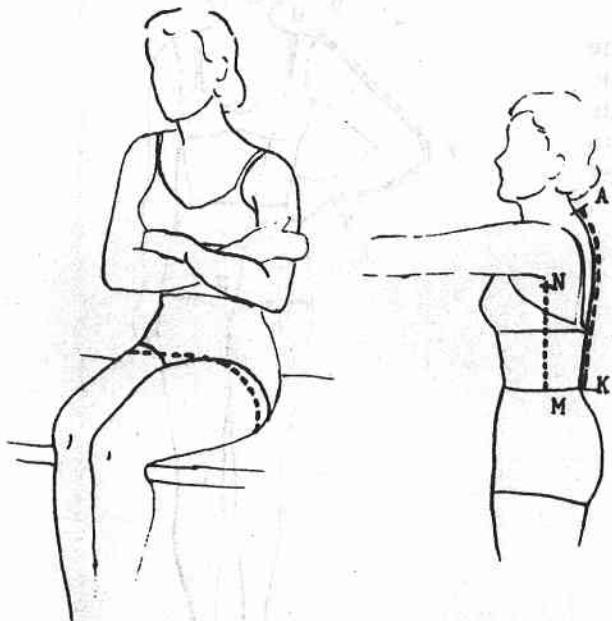


Figure 5. Sitting spread girth.

Figure 6. Back waist length and armscye to waist.

6.3 WIDTH AND LENGTH MEASUREMENTS.

(a) *Cross-chest width.*—Measured across the front of the chest from armscye to armscye midway between shoulder and bottom of armscye (H to H', fig. 3).

(b) *Cross-back width.*—Measured across the back from armscye to armscye approximately at the same level as the cross-chest width (L to L', fig. 4).

(c) *Bust point to bust point, across.*—Measured from bust point to bust point horizontally (J to J', fig. 10).

(d) *Neck to bustpoint.*—Measured from intersection of shoulder and neck base lines to bust point (B to J, fig. 7).

(e) *Back waist length.*—Measured along the spine from cervicale to waist level (A to K, fig. 6).

(f) *Front waist length.*—Measured at center front from neck base girth line to waist level (C to O, fig. 8).

(g) *Cervicale to center front at waist.*—Measured from cervicale at center back, along the neck line to shoulder line and

then down the figure to the waist level at the center front (A through B to O, fig. 8).

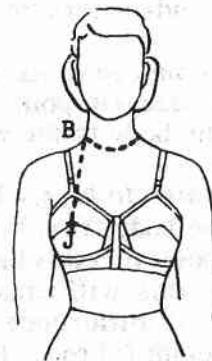


Figure 7. Neck to bust length.

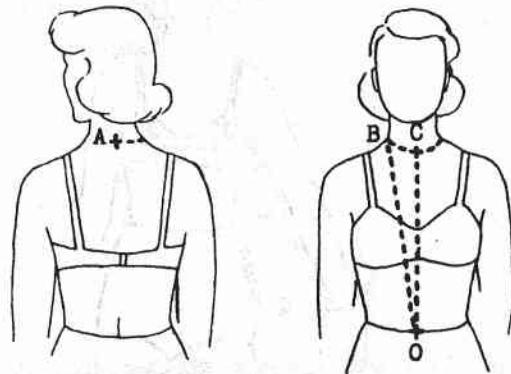


Figure 8. Front waist length and cervicale to center front at waist.

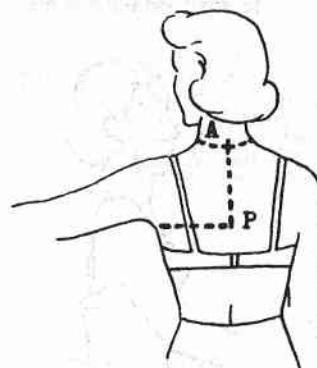


Figure 9. Scye depth.

(h) *Shoulder length.*—Measured along a line corresponding to the customary shoulder line of a garment from the neck base line to the armscye line (B to D, fig. 4).

(i) *Shoulder slope (degrees).*—Slope in degrees of the shoulder with respect to the horizontal (fig. 4).

(j) *Scye depth*.—Measured along the spine from the cervicale to a point level with the mid-underarm point (A to P, fig. 9).

(k) *Armscye to waist*.—Measured from the mid-underarm point downward along the side of the body to the waist level (N to M, fig. 6).

(l) *Waist to hips*.—Measured along the side of the body from the waist level to the mid-hip point directly below. Because of the curvature this will usually be greater than the vertical difference between the waist and hip height (M to Q, fig. 10).

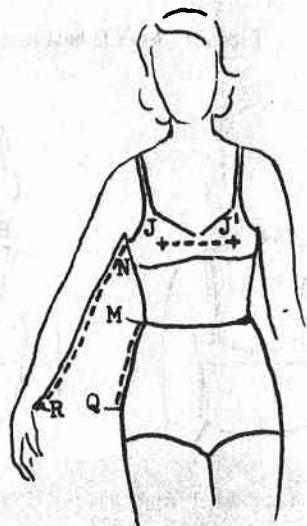


Figure 10. Bust point to bust point across; arm length, armscye to wrist; and waist to hips.

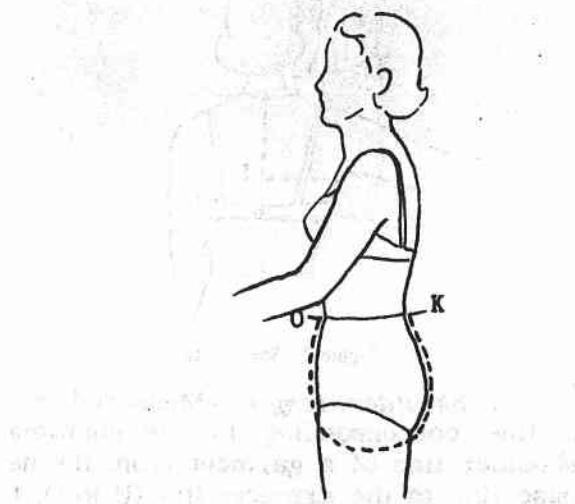


Figure 11. Total and front crotch length.

(m) *Arm length, shoulder to wrist*.—Measured from the intersection of the armscye and shoulder lines along the out-

side (posterior) surface of the right arm, over the elbow to the greatest prominence on the outside of the wrist (D through S to T, fig. 12).

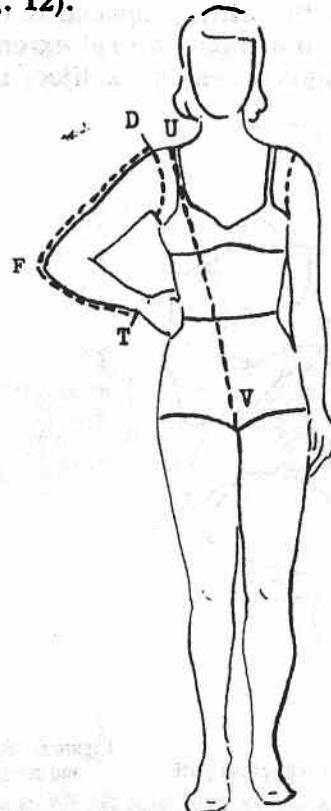


Figure 12. Arm lengths, shoulder to elbow and wrist, and vertical trunk girth.

(n) *Arm length, shoulder to elbow*.—The upper portion of the previous measurement taken to the prominence of the elbow (D to F, fig. 12).

(o) *Underarm length*.—With the arm down, measured from that point on the inside of the upper arm corresponding to the underarm mid-point on the trunk to the mid-point on the inside of the wrist in line with the greatest prominence (N to R, fig. 10).

(p) *Vertical trunk girth*.—Measured from a point on the shoulder, midway between the neck and the normal armhole line, through the crotch. The measurement should be taken without constriction at crotch (U through V to U, fig. 12).

(q) *Total crotch length*.—Measured from waist level at the front, through the crotch to the waist level at the back without constriction (O through crotch to K,

fig. 11). For waist level see paragraph 4.1.1(c).

(r) *Crotch length, front.*—The front portion of the preceding measurement taken to the center of the inner thigh (fig. 11).

(s) *Thigh girth, maximum.*—Measured horizontally around the upper part of the leg, close up to the crotch (fig. 13).

(t) *Thigh girth, mid.*—Measured horizontally around the leg midway between the hip and the knee (fig. 13).

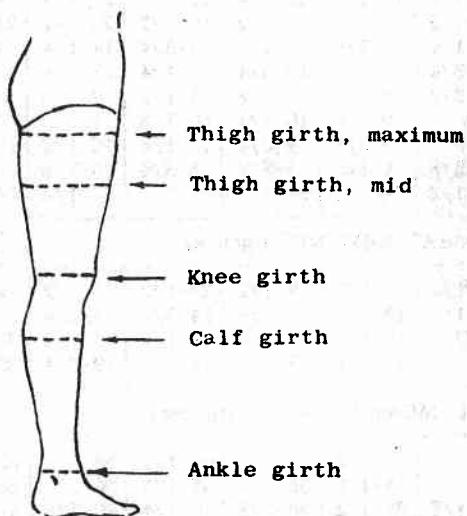


Figure 13. Girths of the leg.

(u) *Knee girth.*—Measured horizontally around the leg over the knee cap (fig. 13).

(v) *Calf girth.*—Measured horizontally around the leg at the level of maximum girth (fig. 13).

(w) *Ankle girth.*—Measured horizontally around the leg over the greatest prominence of the ankle (fig. 13).

6.4 WEIGHT.—Taken without clothing.

7. ADJUSTMENTS IN SIZE SCALES TO COMPENSATE FOR EFFECT OF FOUNDATION GARMENTS

7.1 These size scales represent the consumer dressed in foundation garments, thus basing the system on the woman's figure enhanced by a good fitting foundation garment.

7.2 The original body measurements were taken over the "nude"³ body, so in

³Throughout the standard the term "nude" has been used to denote the body clothed in a measuring costume consisting of a cotton knit brief and bandeau fitted closely but in no way restricting. This costume was standard throughout the measuring program, and should not be confused with foundation garments which constrict and remodel the body.

order to translate the data into consumer terms—as she is generally dressed when measured to determine her size—it was necessary to adjust them.

7.3 The Corset and Brassiere Association of America cooperated with the U. S. Department of Commerce by undertaking a special research project to determine the proper adjustments to make. The adjustments given in paragraph 7.4 were based on that research.

7.4 Uniform adjustments were made on all sizes of the size scales, so as not to distort the basic size-to-size relationships. Furthermore, the application of uniform adjustments enables those who are interested in the original data to obtain it easily by merely adding or subtracting the adjustments. The adjustments are given below in detail:

(a) *Nude measurements increased.*

- (1) Bust girth 1 inch
- (2) Bust arc, anterior 1 inch

(b) *Nude measurements decreased.*

- (1) Waist girth 1/2 inch
- (2) Waist arc, front 1/2 inch
- (3) Abdominal extension girth 1/2 inch
- (4) Abdominal extension arc, front 1/2 inch
- (5) Hip girth 1/2 inch
- (6) Hip arc, back 1/4 inch
- (7) Neck to bust length 1 inch

7.5 Experience with apparel size standardization projects has proven the value of presenting the standard in consumer terms, thus insuring uniform presentations. If the size standards were established as nude measurements, each manufacturer might be inclined to make his own adjustments to compensate for the effect of foundation garments, resulting in a variety of body-size measurements instead of uniformly adjusted ones.

8. TABLES OF SIZE RANGES AND CORRESPONDING MEASUREMENTS

8.1 Size ranges and corresponding "body" measurements are given in Tables 1 to 20.

COMMERCIAL STANDARD CS215-58

MISSES' BODY MEASUREMENTS

Table 1. Regular (R) height, average hip^a

Size*	8R	10R	12R	14R	16R	18R	20R	22R ^b
GIRTH MEASUREMENTS (inches)								
Bust ^c	31	32-1/2	34	35-1/2	37	39	41	43
Waist ^c	23-1/2	24-1/2	25-1/2	27	28-1/2	30-1/2	32-1/2	34-1/2
Hip ^c	32-1/2	34	36	38	40	42	44	46
Neck base.....	14-1/4	14-1/2	14-3/4	15	15-1/4	15-5/8	16	16-3/8
Armscye.....	13-3/4	14-3/8	15	15-5/8	16-1/4	17	17-3/4	18-1/2
Abdominal extension ^c	29-1/2	31	32-1/2	34-1/4	36	38	40	42
Sitting spread.....	32-1/2	34	36	38	40	42	44	46
Thigh, maximum.....	18-1/4	19-1/2	20-3/4	22	23-1/4	24-1/2	25-3/4	27
Thigh, mid.....	16-1/2	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2	22-1/2	23-1/2
Knee.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4
Calf.....	11-3/4	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Ankle.....	8-3/8	8-5/8	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8	10-1/8
Upper arm.....	9	9-5/8	10-1/4	10-7/8	11-1/2	12-1/4	13	13-3/4
Elbow.....	9	9-3/8	9-3/4	10-1/8	10-1/2	10-7/8	11-1/4	11-5/8
Wrist.....	5-3/8	5-1/2	5-5/8	5-3/4	5-7/8	6	6-1/8	6-1/4
Vertical trunk.....	56-1/2	58	59-1/2	61	62-1/2	64	65-1/2	67
ARC MEASUREMENTS (inches)								
Bust, front ^c	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2	22-3/4	24	25-1/4
Waist, front ^c	12-1/4	13	13-3/4	14-3/4	15-3/4	17	18-1/4	19-1/2
Abdominal extension, front ^c	15-3/4	16-1/2	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2	22-1/2
Hip, back ^c	16	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4	22-3/4
VERTICAL MEASUREMENTS (inches)								
Stature (total height).....	63	63-1/2	64	64-1/2	65	65-1/2	66	66-1/2
Cervicale height.....	54	54-1/2	55	55-1/2	56	56-1/2	57	57-1/2
Waist height.....	39-1/8	39-1/2	39-7/8	40-1/4	40-5/8	41	41-3/8	41-3/4
Abdominal extension height.....	36	36-1/4	36-1/2	36-3/4	37	37-1/4	37-1/2	37-3/4
Hip height.....	31-5/8	31-3/4	31-7/8	32	32-1/8	32-1/4	32-3/8	32-1/2
Sitting spread height ^d	29	29-1/8	29-3/8	29-1/2	29-3/4	29-7/8	30-1/8	30-1/4
Crotch height.....	28-1/2	28-5/8	28-3/4	28-7/8	29	29-1/8	29-1/4	29-3/8
Knee height.....	17	17-1/8	17-1/4	17-3/8	17-1/2	17-5/8	17-3/4	17-7/8
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	24-1/4	24-1/2	24-3/4	25	25-1/4	25-1/2	25-3/4	26
WIDTH AND LENGTH MEASUREMENTS (inches)								
Cross-back width.....	11-7/8	12-1/4	12-5/8	13	13-3/8	13-7/8	14-3/8	14-7/8
Cross-chest width.....	11-1/2	11-3/4	12	12-1/4	12-1/2	12-7/8	13-1/4	13-5/8
Bust point to bust point, across.....	6-3/4	6-7/8	7	7-1/8	7-1/4	7-3/8	7-1/2	7-5/8
Neck to bust point ^c	8-3/4	9	9-1/4	9-5/8	10	10-1/2	11	11-1/2
Scye depth ^d	6-7/8	7	7-1/4	7-3/8	7-5/8	7-3/4	8	8-1/8
Armscye to waist ^e	8-1/2	8-3/8	8-3/8	8-1/4	8-1/4	8-1/8	8-1/8	8
Waist to hips.....	8	8-1/4	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4
Shoulder length ^e	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8	4-5/8	4-3/4
Shoulder slope (degrees).....	23	23	23	23	23	23	23	23
Arm length, shoulder to wrist.....	22-3/4	23	23-1/4	23-1/2	23-3/4	24	24-1/4	24-1/2
Arm length, shoulder to elbow.....	13-1/8	13-1/4	13-3/8	13-1/2	13-5/8	13-3/4	13-7/8	14
Underarm length ^e	16-5/8	16-3/4	16-3/4	16-7/8	16-7/8	17	17	17-1/8
Crotch length, total.....	26-1/4	27-1/4	28-1/4	29-1/4	30-1/4	31-1/4	32-1/4	33-1/4
Crotch length, front.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4	16-1/4
Cervicale to center front at waist.....	19	19-1/4	19-1/2	19-3/4	20	20-3/8	20-3/4	21-1/8
Waist length, front ^d	13-1/8	13-1/4	13-1/2	13-5/8	13-7/8	14	14-1/4	14-3/8
Waist length, back ^d	15-1/8	15-1/4	15-1/2	15-5/8	15-7/8	16	16-1/4	16-3/8
WEIGHTS (pounds)								
Weight, approximate.....	98	108	118	130	144	160	176	192

*When the style of the garment, or the character of the fabric permits fewer sizes, alternative markings may be used. For example, small (8-10), medium (12-14), etc. These are body measurements, and they are not to be interpreted as garment measurements. Extrapulated. Adjusted measurements--see par. 7.2. Pattern grade 3/16 inch every size. Pattern grade 1/16 inch every size.

SIZING OF WOMEN'S APPAREL

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Table 2. Tall (T) height, average hip^a

Size	10T	12T	14T	16T	18T	20T ^b
GIRTH MEASUREMENTS (inches)						
Bust ^c	32-1/2	34	35-1/2	37	38-1/2	40
Waist ^c	24	25-1/2	27	28-1/2	30	31-1/2
Hip ^c	34-1/2	36	38	40	42	44
Neck base.....	14-5/8	14-7/8	15-1/8	15-3/8	15-5/8	15-7/8
Armscye.....	14-1/2	15-1/8	15-3/4	16-3/8	17	17-5/8
Abdominal extension ^c	30-3/4	32-1/4	34	35-3/4	37-1/2	39-1/4
Sitting spread.....	34-1/2	36	38	40	42	44
Thigh, maximum.....	19-1/2	20-3/4	22	23-1/4	24-1/2	25-3/4
Thigh, mid.....	17-1/4	18-1/4	19-1/4	20-1/4	21-1/4	22-1/4
Knee.....	12-7/8	13-3/8	13-7/8	14-3/8	14-7/8	15-3/8
Calf.....	12-3/8	12-7/8	13-3/8	13-7/8	14-3/8	14-7/8
Ankle.....	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8	10-1/8
Upper arm.....	9-1/2	10-1/8	10-3/4	11-3/8	12	12-5/8
Elbow.....	9-1/2	9-7/8	10-1/4	10-5/8	11	11-3/8
Wrist.....	5-5/8	5-3/4	5-7/8	6	6-1/8	6-1/4
Vertical trunk.....	61	62-1/2	64	65-1/2	67	68-1/2
ARC MEASUREMENTS (inches)						
Bust, front ^c	18-1/4	19-1/4	20-1/4	21-1/4	22-1/4	23-1/4
Waist, front ^c	12-1/2	13-1/2	14-1/2	15-1/2	16-1/2	17-1/2
Abdominal extension, front ^c	16-3/4	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2
Hip, back ^c	17	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
VERTICAL MEASUREMENTS (inches)						
Stature (total height).....	67-1/2	68	68-1/2	69	69-1/2	70
Cervicale height.....	58-1/2	59	59-1/2	60	60-1/2	61
Waist height.....	42-1/2	42-7/8	43-1/4	43-5/8	44	44-3/8
Abdominal extension height.....	39-1/4	39-1/2	39-3/4	40	40-1/4	40-1/2
Hip height.....	34-1/8	34-1/4	34-3/8	34-1/2	34-5/8	34-3/4
Sitting spread height ^d	31-5/8	31-7/8	32	32-1/4	32-3/8	32-5/8
Crotch height.....	30-7/8	31	31-1/8	31-1/4	31-3/8	31-1/2
Knee height.....	18-3/4	18-7/8	19	19-1/8	19-1/4	19-3/8
Ankle height.....	3	3	3	3	3	3
Sitting height.....	25-7/8	26-1/8	26-3/8	26-5/8	26-7/8	27-1/8
WIDTH AND LENGTH MEASUREMENTS (inches)						
Cross-back width.....	12-3/8	12-3/4	13-1/8	13-1/2	13-7/8	14-1/4
Cross-chest width.....	12	12-1/4	12-1/2	12-3/4	13	13-1/4
Bust point to bust point, across.....	7	7-1/8	7-1/4	7-3/8	7-1/2	7-5/8
Neck to bust point ^c	9-1/8	9-3/8	9-3/4	10-1/8	10-1/2	10-7/8
Scye depth ^d	7-1/4	7-1/2	7-5/8	7-7/8	8	8-1/4
Armscye to waist ^e	8-3/4	8-3/4	8-5/8	8-5/8	8-1/2	8-1/2
Waist to hips.....	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8	10-1/8
Shoulder length ^e	4-1/2	4-1/2	4-5/8	4-5/8	4-3/4	4-3/4
Shoulder slope (degrees).....	23	23	23	23	23	23
Arm length, shoulder to wrist.....	24-3/8	24-5/8	24-7/8	25-1/8	25-3/8	25-5/8
Arm length, shoulder to elbow.....	14	14-1/8	14-1/4	14-3/8	14-1/2	24-5/8
Underarm length ^e	17-5/8	17-3/4	17-3/4	17-7/8	17-7/8	18
Crotch length, total.....	29	30	31	32	33	34
Crotch length, front.....	14	14-1/2	15	15-1/2	16	16-1/2
Cervicale to center front at waist.....	19-7/8	20-1/8	20-3/8	20-5/8	20-7/8	21-1/8
Waist length, front ^d	13-7/8	14-1/8	14-1/4	14-1/2	14-5/8	15-7/8
Waist length, back ^d	16-1/8	16-3/8	16-1/2	16-3/4	16-7/8	17-1/8
WEIGHTS (pounds)						
Weight, approximate	114	126	138	152	166	180

^aThese are body measurements, and they are not to be interpreted as garment measurements.^bExtrapolated.^cAdjusted measurements--see par. 7.2.^dPattern grade 3/16 inch every size.^ePattern grade 1/16 inch every size.

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Table 3. Short (S) height, average hip^a

Size	8S	10S	12S	14S	16S	18S ^b
GIRTH MEASUREMENTS (inches)						
Bust ^c	31	32-1/2	34	35-1/2	37-1/2	39-1/2
Waist ^c	23	24	25-1/2	27	29	31
Hip ^c	32-1/2	34	36	38	40	42
Neck base.....	14-1/8	14-3/8	14-5/8	14-7/8	15-1/4	15-5/8
Armscye.....	13-5/8	14-1/4	14-7/8	15-1/2	16-1/4	17
Abdominal extension ^c	29-1/2	31	32-3/4	34-1/2	36-1/2	38-1/2
Sitting spread.....	32-1/2	34	36	38	40	42
Thigh, maximum.....	18-1/2	19-3/4	21	22-1/4	23-1/2	24-3/4
Thigh, mid.....	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
Knee.....	12-1/8	12-5/8	13-1/8	13-5/8	14-1/8	14-5/8
Calf.....	11-5/8	12-1/8	12-5/8	13-1/8	13-5/8	14-1/8
Ankle.....	8-1/4	8-1/2	8-3/4	9	9-1/4	9-1/2
Upper arm.....	9-1/8	9-3/4	10-3/8	11	11-3/4	12-1/2
Elbow.....	8-7/8	9-1/4	9-5/8	10	10-3/8	10-3/4
Wrist.....	5-1/4	5-3/8	5-1/2	5-5/8	5-3/4	5-7/8
Vertical trunk.....	54-1/2	55-1/2	56-1/2	57-1/2	59	60-1/2
ARC MEASUREMENTS (inches)						
Bust, front ^c	17-1/2	18-1/2	19-1/2	20-1/2	21-3/4	23
Waist, front ^c	12-1/4	13	14	15	16-1/4	17-1/2
Abdominal extension, front ^c	15-3/4	16-1/2	17-1/2	18-1/2	19-1/2	20-1/2
Hip, back ^c	16	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4
VERTICAL MEASUREMENTS (inches)						
Stature (total height).....	59-1/2	60	60-1/2	61	61-1/2	62
Cervicale height.....	50-1/2	51	51-1/2	52	52-1/2	53
Waist height.....	36-5/8	37	37-3/8	37-3/4	38-1/8	38-1/2
Abdominal extension height.....	34	34-1/4	34-1/2	34-3/4	35	35-1/4
Hip height.....	29-5/8	29-3/4	29-7/8	30	30-1/8	30-1/4
Sitting spread height ^d	27	27-1/8	27-3/8	27-1/2	27-3/4	27-7/8
Crotch height.....	26-5/8	26-3/4	26-7/8	27	27-1/8	27-1/4
Knee height.....	16	16-1/8	16-1/4	16-3/8	16-1/2	16-5/8
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	23	23-1/4	23-1/2	23-3/4	24	24-1/4
WIDTH AND LENGTH MEASUREMENTS (inches)						
Cross-back width.....	11-3/4	12-1/8	12-1/2	12-7/8	13-3/8	13-7/8
Cross-chest width.....	11-1/4	11-1/2	11-3/4	12	12-3/8	12-3/4
Bust point to bust point, across.....	6-5/8	6-3/4	6-7/8	7	7-1/8	7-1/4
Neck to bust point ^c	8-5/8	8-7/8	9-1/8	9-1/2	10	10-1/2
Scye depth ^d	6-5/8	6-3/4	7	7-1/8	7-3/8	7-1/2
Armscye to waist ^e	8	7-7/8	7-7/8	7-3/4	7-3/4	7-5/8
Waist to hips.....	7-1/2	7-3/4	8	8-1/4	8-1/2	8-3/4
Shoulder length ^c	4-1/8	4-1/4	4-1/4	4-3/8	4-3/8	4-1/2
Shoulder slope (degrees).....	23	23	23	23	23	23
Arm length, shoulder to wrist.....	21-1/4	21-1/2	21-3/4	22	22-1/4	22-1/2
Arm length, shoulder to elbow.....	12-1/4	12-3/8	12-1/2	12-5/8	12-3/4	12-7/8
Underarm length ^e	15-5/8	15-5/8	15-3/4	15-3/4	15-7/8	15-7/8
Crotch length, total.....	25-1/4	26	26-3/4	27-1/2	28-1/2	29-1/2
Crotch length, front.....	12-1/8	12-1/2	12-7/8	13-1/4	13-3/4	14-1/4
Cervicale to center front at waist.....	18-1/4	18-1/2	18-3/4	19	19-3/8	19-3/4
Waist length, front ^d	12-3/8	12-1/2	12-3/4	12-7/8	13-1/8	13-1/4
Waist length, back ^d	14-1/8	14-1/4	14-1/2	14-5/8	14-7/8	15
WEIGHTS (pounds)						
Weight, approximate	94	102	112	124	138	152

^aThese are body measurements, and they are not to be interpreted as garment measurements.
^bExtrapolated.

^cAdjusted measurements--see par. 7.2.
^dPattern grade 3/16 inch every size.
^ePattern grade 1/16 inch every size.

SIZING OF WOMEN'S APPAREL

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Table 4. Regular (R) height, slender (-) hip^a

Size	10R -	12R -	14R -	16R -	18R -	20R -	22R -
GIRTH MEASUREMENTS (inches)							
Bust ^b	32-1/2	34	35-1/2	37	39	41	43
Waist ^b	24-1/2	25-1/2	27	28-1/2	30-1/2	32-1/2	34-1/2
Hip ^b	32-1/2	34	36	38	40	42	44
Neck base.....	14-1/2	14-3/4	15	15-1/4	15-5/8	16	16-3/8
Armscye.....	14-3/8	15	15-5/8	16-1/4	17	17-3/4	18-1/2
Abdominal extension ^b	30	31-1/2	33-1/4	35	37	39	41
Sitting spread.....	33	34-1/2	36-1/2 ^c	38-1/2	40-1/2	42-1/2	44-1/2
Thigh, maximum.....	18-1/2	19-3/4	21	22-1/4	23-1/2	24-3/4	26
Thigh, mid.....	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4	22-3/4
Knee.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Calf.....	11-7/8	12-3/8	12-7/8	13-3/8	13-7/8	14-3/8	14-7/8
Ankle.....	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4	10
Upper arm.....	9-5/8	10-1/4	10-7/8	11-1/2	12-1/4	13	13-3/4
Elbow.....	9-3/8	9-3/4	10-1/8	10-1/2	10-7/8	11-1/4	11-5/8
Wrist.....	5-1/2	5-5/8	5-3/4	5-7/8	6	6-1/8	6-1/4
Vertical trunk.....	57	58-1/2	60	61-1/2	63	64-1/2	66
ARC MEASUREMENTS (inches)							
Bust, front ^b	18-1/2	19-1/2	20-1/2	21-1/2	22-3/4	24	25-1/4
Waist, front ^b	13	13-3/4	14-3/4	15-3/4	17	18-1/4	19-1/2
Abdominal extension, front ^b	16-1/4	17	18	19	20	21	22
Hip, back ^b	16	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
VERTICAL MEASUREMENTS (inches)							
Stature (total height).....	63-1/2	64	64-1/2	65	65-1/2	66	66-1/2
Cervicale height.....	54-1/2	55	55-1/2	56	56-1/2	57	57-1/2
Waist height.....	39-1/2	39-7/8	40-1/4	40-5/8	41	41-3/8	41-3/4
Abdominal extension height.....	36-1/4	36-1/2	36-3/4	37	37-1/4	37-1/2	37-3/4
Hip height.....	31-3/4	31-7/8	32	32-1/8	32-1/4	32-3/8	32-1/2
Sitting spread height ^c	29-1/8	29-3/8	29-1/2	29-3/4	29-7/8	30-1/8	30-1/4
Crotch height.....	28-5/8	28-3/4	28-7/8	29	29-1/8	29-1/4	29-3/8
Knee height.....	17-1/8	17-1/4	17-3/8	17-1/2	17-5/8	17-3/4	17-7/8
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	24-1/2	24-3/4	25	25-1/4	25-1/2	25-3/4	26
WIDTH AND LENGTH MEASUREMENTS (inches)							
Cross-back width.....	12-1/4	12-5/8	13	13-3/8	13-7/8	14-3/8	14-7/8
Cross-chest width.....	11-3/4	12	12-1/4	12-1/2	12-7/8	13-1/4	13-5/8
Bust point to bust point, across.....	6-7/8	7	7-1/8	7-1/4	7-3/8	7-1/2	7-5/8
Neck to bust point ^b	9	9-1/4	9-5/8	10	10-1/2	11	11-1/2
Scye depth ^c	7	7-1/4	7-3/8	7-5/8	7-3/4	8	8-1/8
Armscye to waist ^d	8-3/8	8-3/8	8-1/4	8-1/4	8-1/8	8-1/8	8
Waist to hips.....	8-1/4	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4
Shoulder length ^d	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8	4-5/8	4-3/4
Shoulder slope (degrees).....	23	23	23	23	23	23	23
Arm length, shoulder to wrist.....	23	23-1/4	23-1/2	23-3/4	24	24-1/4	24-1/2
Arm length, shoulder to elbow.....	13-1/4	13-3/8	13-1/2	13-5/8	13-3/4	13-7/8	14
Underarm length ^d	16-3/4	16-3/4	16-7/8	16-7/8	17	17	17-1/8
Crotch length, total.....	26-1/2	27-1/2	28-1/2	29-1/2	30-1/2	31-1/2	32-1/2
Crotch length, front.....	12-7/8	13-3/8	13-7/8	14-3/8	14-7/8	15-3/8	15-7/8
Cervicale to center front at waist....	19-1/4	19-1/2	19-3/4	20	20-3/8	20-3/4	21-1/8
Waist length, front ^c	13-1/4	13-1/2	13-5/8	13-7/8	14	14-1/4	14-3/8
Waist length, back ^c	15-1/4	15-1/2	15-5/8	15-7/8	16	16-1/4	16-3/8
WEIGHTS (pounds)							
Weight, approximate.....	102	114	126	140	154	170	186

^aThese are body measurements, and they are not to be interpreted as garment measurements.^bAdjusted measurements--see par. 7.2.^cPattern grade 3/16 inch every size.^dPattern grade 1/16 inch every size.

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Table 5. Tall (T) height, slender (-) hip^a

Size	12T-	14T-	16T-	18T-
GIRTH MEASUREMENTS (inches)				
Bust ^b	34	35-1/2	37	38-1/2
Waist ^b	25-1/2	27	28-1/2	30-1/2
Hip ^b	34-1/2	36	38	40
Neck base	14-7/8	15-1/8	15-3/8	15-5/8
Armscye	15-1/8	15-3/4	16-3/8	17
Abdominal extension ^b	31-1/2	33	34-3/4	36-1/2
Sitting spread	35	36-1/2	38-1/2	40-1/2
Thigh, maximum	19-3/4	21	22-1/4	23-1/2
Thigh, mid	17-1/2	18-1/2	19-1/2	20-1/2
Knee	12-7/8	13-3/8	13-7/8	14-3/8
Calf	12-1/2	13	13-1/2	14
Ankle	9	9-1/4	9-1/2	9-3/4
Upper arm	10-1/8	10-3/4	11-3/8	12
Elbow	9-7/8	10-1/4	10-5/8	11
Wrist	5-3/4	5-7/8	6	6-1/8
Vertical trunk	61-1/2	63	64-1/2	66
ARC MEASUREMENTS (inches)				
Bust, front ^b	19-1/4	20-1/4	21-1/4	22-1/4
Waist, front ^b	13-1/2	14-1/2	15-1/2	16-1/2
Abdominal extension, front ^b	17-1/4	18	19	20
Hip, back ^b	17	17-3/4	18-3/4	19-3/4
VERTICAL MEASUREMENTS (inches)				
Stature (total height)	68	68-1/2	69	69-1/2
Cervicale height	59	59-1/2	60	60-1/2
Waist height	42-7/8	43-1/4	43-5/8	44
Abdominal extension height	39-1/2	39-3/4	40	40-1/4
Hip height	34-1/4	34-3/8	34-1/2	34-5/8
Sitting spread height ^c	31-7/8	32	32-1/4	32-3/8
Crotch height	31	31-1/8	31-1/4	31-3/8
Knee height	18-7/8	19	19-1/8	19-1/4
Ankle height	3	3	3	3
Sitting height	26-1/8	26-3/8	26-5/8	26-7/8
WIDTH AND LENGTH MEASUREMENTS (inches)				
Cross-back width	12-3/4	13-1/8	13-1/2	13-7/8
Cross-chest width	12-1/4	12-1/2	12-3/4	13
Bust point to bust point, across	7-1/8	7-1/4	7-3/8	7-1/2
Neck to bust point ^b	9-3/8	9-3/4	10-1/8	10-1/2
Scye depth ^c	7-1/2	7-5/8	7-7/8	8
Armscye to waist ^d	8-3/4	8-5/8	8-5/8	8-1/2
Waist to hips	9-1/8	9-3/8	9-5/8	9-7/8
Shoulder length ^d	4-1/2	4-5/8	4-5/8	4-3/4
Shoulder slope (degrees)	23	23	23	23
Arm length, shoulder to wrist	24-5/8	24-7/8	25-1/8	25-3/8
Arm length, shoulder to elbow	14-1/8	14-1/4	14-3/8	14-1/2
Underarm length ^d	17-3/4	17-3/4	17-7/8	17-7/8
Crotch length, total	29-1/4	30-1/4	31-1/4	32-1/4
Crotch length, front	14-1/8	14-5/8	15-1/8	15-5/8
Cervicale to center front at waist	20-1/8	20-3/8	20-5/8	20-7/8
Waist length, front ^c	14-1/8	14-1/4	14-1/2	14-5/8
Waist length, back ^c	16-3/8	16-1/2	16-3/4	16-7/8
WEIGHTS (pounds)				
Weight, approximate	120	132	146	160

^aThese are body measurements, and they are not to be interpreted as garment measurements.
Adjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.
^dPattern grade 1/16 inch every size.

Table 6. Short (S) height, slender (-) hip^a

Size	12S-	14S-	16S-	18S-
GIRTH MEASUREMENTS (inches)				
Bust ^b	34	35-1/2	37-1/2	39-1/2
Waist ^b	25-1/2	27	29	31
Hip ^b	34-1/2	36	38	40
Neck base	14-5/8	14-7/8	15-1/4	15-5/8
Armscye	14-7/8	15-1/2	16-1/4	17
Abdominal extension ^b	32	33-1/2	35-1/2	37-1/2
Sitting spread	35	36-1/2	38-1/2	40-1/2
Thigh, maximum	20	21-1/4	22-1/2	23-3/4
Thigh, mid.	18	19	20	21
Knee	12-5/8	13-1/8	13-5/8	14-1/8
Calf	12-1/4	12-3/4	13-1/4	13-3/4
Ankle	8-5/8	8-7/8	9-1/8	9-3/8
Upper arm	10-3/8	11	11-3/4	12-1/2
Elbow	9-5/8	10	10-3/8	10-3/4
Wrist	5-1/2	5-5/8	5-3/4	5-7/8
Vertical trunk	56	58	60	62
ARC MEASUREMENTS (inches)				
Bust, front ^b	19-1/2	20-1/2	21-3/4	23
Waist, front ^b	14	15	16-1/4	17-1/2
Abdominal extension, front ^b	17-1/4	18	19	20
Hip, back ^b	17	17-3/4	18-3/4	19-3/4
VERTICAL MEASUREMENTS (inches)				
Stature (total height)	60-1/2	61	61-1/2	62
Cervicale height	51-1/2	52	52-1/2	53
Waist height	37-3/8	37-3/4	38-1/8	38-1/2
Abdominal extension height	34-1/2	34-3/4	35	35-1/4
Hip height	29-7/8	30	30-1/8	30-1/4
Sitting spread height ^c	27-3/8	27-1/2	27-3/4	27-7/8
Crotch height	26-7/8	27	27-1/8	27-1/4
Knee height	16-1/4	16-3/8	16-1/2	16-5/8
Ankle height	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height	23-1/2	23-3/4	24	24-1/4
WIDTH AND LENGTH MEASUREMENTS (inches)				
Cross-back width	12-1/2	12-7/8	13-3/8	13-7/8
Cross-chest width	11-3/4	12	12-3/8	12-3/4
Bust point to bust point, across	6-7/8	7	7-1/8	7-1/4
Neck to bust point ^b	9-1/8	9-1/2	10	10-1/2
Scye depth ^c	7	7-1/8	7-3/8	7-1/2
Armscye to waist ^d	7-7/8	7-3/4	7-3/4	7-5/8
Waist to hips	8	8-1/4	8-1/2	8-3/4
Shoulder length ^d	4-1/4	4-3/8	4-3/8	4-1/2
Shoulder slope (degrees)	23	23	23	23
Arm length, shoulder to wrist	21-3/4	22	22-1/4	22-1/2
Arm length, shoulder to elbow	12-1/2	12-5/8	12-3/4	12-7/8
Underarm length ^d	15-3/4	15-3/4	15-7/8	15-7/8
Crotch length, total	26-1/4	27-3/4	29-1/4	30-3/4
Crotch length, front	12-5/8	13-3/8	14-1/8	14-7/8
Cervicale to center front at waist	18-3/4	19	19-3/8	19-3/4
Waist length, front ^c	12-3/4	12-7/8	13-1/8	13-1/4
Waist length, back ^c	14-1/2	14-5/8	14-7/8	15
WEIGHTS (pounds)				
Weight, approximate	108	120	134	148

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

Table 7. Regular (R) height, full (+) hip^a

Size	8R+	10R+	12R+	14R+	16R+
GIRTH MEASUREMENTS (inches)					
Bust ^b	31	32-1/2	34	35-1/2	37
Waist ^b	23-1/2	24-1/2	25-1/2	27	28-1/2
Hip ^b	34	36	38	40	42
Neck base.....	14-1/4	14-1/2	14-3/4	15	15-1/4
Armscye.....	13-3/4	14-3/8	15	15-5/8	16-1/4
Abdominal extension ^b	30-1/2	32	33-1/2	35-1/4	37
Sitting spread.....	34	36	38	40	42
Thigh, maximum.....	19-1/4	20-1/2	21-3/4	23	24-1/4
Thigh, mid.....	17-1/4	18-1/4	19-1/4	20-1/4	21-1/4
Knee.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4
Calf.....	12-1/8	12-5/8	13-1/8	13-5/8	14-1/8
Ankle.....	8-1/2	8-3/4	9	9-1/4	9-1/2
Upper arm	9	9-5/8	10-1/4	10-7/8	11-1/2
Elbow.....	9	9-3/8	9-3/4	10-1/8	10-1/2
Wrist.....	5-3/8	5-1/2	5-5/8	5-3/4	5-7/8
Vertical trunk.....	57-1/2	59	60-1/2	62	63-1/2
ARC. MEASUREMENTS (inches)					
Bust, front ^b	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2
Waist, front ^b	12-1/4	13	13-3/4	14-3/4	15-3/4
Abdominal extension, front ^b	16-1/2	17-1/4	18	19	20
Hip, back ^b	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4
VERTICAL MEASUREMENTS (inches)					
Stature (total height)	63	63-1/2	64	64-1/2	65
Cervicale height.....	54	54-1/2	55	55-1/2	56
Waist height.....	39-1/8	39-1/2	39-7/8	40-1/4	40-5/8
Abdominal extension height.	36	36-1/4	36-1/2	36-3/4	37
Hip height.....	31-5/8	31-3/4	31-7/8	32	32-1/8
Sitting spread height ^c	29	29-1/8	29-3/8	29-1/2	29-3/4
Crotch height.....	28-1/2	28-5/8	28-3/4	28-7/8	29
Knee height.....	17	17-1/8	17-1/4	17-3/8	17-1/2
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height	24-1/4	24-1/2	24-3/4	25	25-1/4
WIDTH AND LENGTH MEASUREMENTS (inches)					
Cross-back width.....	11-7/8	12-1/4	12-5/8	13	13-3/8
Cross-chest width.....	11-1/2	11-3/4	12	12-1/4	12-1/2
Bust point to bust point, across	6-3/4	6-7/8	7	7-1/8	7-1/4
Neck to bust point ^b	8-3/4	9	9-1/4	9-5/8	10
Scye depth ^c	6-7/8	7	7-1/4	7-3/8	7-5/8
Armscye to waist ^d	8-1/2	8-3/8	8-3/8	8-1/4	8-1/4
Waist to hips	8	8-1/4	8-1/2	8-3/4	9
Shoulder length ^d	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2
Shoulder slope (degrees).....	23	23	23	23	23
Arm length, shoulder to wrist	22-3/4	23	23-1/4	23-1/2	23-3/4
Arm length, shoulder to elbow	13-1/8	13-1/4	13-3/8	13-1/2	13-5/8
Underarm length ^d	16-5/8	16-3/4	16-3/4	16-7/8	16-7/8
Crotch length, total.....	27	28	29	30	31
Crotch length, front.....	13-1/8	13-5/8	14-1/8	14-5/8	15-1/8
Cervicale to center front at waist	19	19-1/4	19-1/2	19-3/4	20
Waist length, front ^c	13-1/8	13-1/4	13-1/2	13-5/8	13-7/8
Waist length, back ^c	15-1/8	15-1/4	15-1/2	15-5/8	15 7/8
WEIGHTS (pounds)					
Weight, approximate.....	104	114	124	136	150

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

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Table 8. Tall (T) height, full (+) hip ^a

Size	10T+	12T+	14T+
GIRTH MEASUREMENTS (inches)			
Bust ^b	32-1/2	34	35-1/2
Waist.....	24	25-1/2	27
Hip ^b	36	38	40
Neck base.....	14-5/8	14-7/8	15-1/8
Armscye.....	14-1/2	15-1/8	15-3/4
Abdominal extension ^b	31-1/2	33-1/4	35
Sitting spread.....	36	38	40
Thigh, maximum.....	20-1/2	21-3/4	23
Thigh, mid.....	18	19	20
Knee.....	13-3/8	13-7/8	14-3/8
Calf.....	12-3/4	13-1/4	13-3/4
Ankle.....	9	9-1/4	9-1/2
Upper arm.....	9-1/2	10-1/8	10-3/4
Elbow.....	9-1/2	9-7/8	10-1/4
Wrist.....	5-5/8	5-3/4	5-7/8
Vertical trunk.....	62-1/2	64	65-1/2
ARC MEASUREMENTS (inches)			
Bust, front ^b	18-1/4	19-1/4	20-1/4
Waist, front ^b	12-1/2	13-1/2	14-1/2
Abdominal extension, front ^b	17	18	19
Hip, back ^b	17-3/4	18-3/4	19-3/4
VERTICAL MEASUREMENTS (inches)			
Stature (total height).....	67-1/2	68	68-1/2
Cervicale height.....	58-1/2	59	59-1/2
Waist height.....	42-1/2	42-7/8	43-1/4
Abdominal extension height.....	39-1/4	39-1/2	39-3/4
Hip height.....	34-1/8	34-1/4	34-3/8
Sitting spread height ^c	31-5/8	31-7/8	32
Crotch height.....	30-7/8	31	31-1/8
Knee height.....	18-3/4	18-7/8	19
Ankle height.....	3	3	3
Sitting height.....	25-7/8	26-1/8	26-3/8
WIDTH AND LENGTH MEASUREMENTS (inches)			
Cross-back width.....	12-3/8	12-3/4	13-1/8
Cross-chest width.....	12	12-1/4	12-1/2
Bust point to bust point, across.....	7	7-1/8	7-1/4
Neck to bust point ^b	9-1/8	9-3/8	9-3/4
Scye depth ^c	7-1/4	7-1/2	7-5/8
Armscye to waist ^d	8-3/4	8-3/4	8-5/8
Waist to hips.....	8-7/8	9-1/8	9-3/8
Shoulder length ^d	4-1/2	4-1/2	4-5/8
Shoulder slope (degrees).....	23	23	23
Arm length, shoulder to wrist.....	24-3/8	24-5/8	24-7/8
Arm length, shoulder to elbow.....	14	14-1/8	14-1/4
Underarm length ^d	17-5/8	17-3/4	17-3/4
Crotch length, total.....	29-3/4	30-3/4	31-3/4
Crotch length, front.....	14-3/8	14-7/8	15-3/8
Cervicale to center front at waist.....	19-7/8	20-1/8	20-3/8
Waist length, front ^c	13-7/8	14-1/8	14-1/4
Waist length, back ^c	16-1/8	16-3/8	16-1/2
WEIGHTS (pounds)			
Weight, approximate.....	120	132	144

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

Table 9. Short (S) height, full (+) hip^a

Size	8S+	10S+	12S+
GIRTH MEASUREMENTS (inches)			
Bust ^b	31	32-1/2	34
Waist ^b	23	24	25-1/2
Hip ^b	34	36	38
Neck base.....	14-1/8	14-3/8	14-5/8
Armscye.....	13-5/8	14-1/4	14-7/8
Abdominal extension ^b	30	31-1/2	33-1/4
Sitting spread.....	33-1/2	35-1/2	37-1/2
Thigh, maximum.....	19-1/4	20-1/2	21-3/4
Thigh, mid.....	17-1/4	18-1/4	19-1/4
Knee.....	12-1/2	13	13-1/2
Calf.....	12	12-1/2	13
Ankle.....	8-3/8	8-5/8	8-7/8
Upper arm.....	9-1/8	9-3/4	10-3/8
Elbow.....	8-7/8	9-1/4	9-5/8
Wrist.....	5-1/4	5-3/8	5-1/2
Vertical trunk.....	55	56	57
ARC MEASUREMENTS (inches)			
Bust, front ^b	17-1/2	18-1/2	19-1/2
Waist, front ^b	12-1/4	13	14
Abdominal extension, front ^b	16	16-3/4	17-3/4
Hip, back ^b	16-3/4	17-3/4	18-3/4
VERTICAL MEASUREMENTS (inches)			
Stature (total height).....	59-1/2	60	60-1/2
Cervicale height.....	50-1/2	51	51-1/2
Waist height.....	36-5/8	37	37-3/8
Abdominal extension height.....	34	34-1/4	34-1/2
Hip height.....	29-5/8	29-3/4	29-7/8
Sitting spread height ^c	27	27-1/8	27-3/8
Crotch height.....	26-5/8	26-3/4	26-7/8
Knee height.....	16	16-1/8	16-1/4
Ankle height.....	2-3/4	2-3/4	2-3/4
Sitting height.....	23	23-1/4	23-1/2
WIDTH AND LENGTH MEASUREMENTS (inches)			
Cross-back width.....	11-3/4	12-1/8	12-1/2
Cross-chest width.....	11-1/4	11-1/2	11-3/4
Bust point to bust point, across	6-5/8	6-3/4	6-7/8
Neck to bust point ^b	8-5/8	8-7/8	9-1/8
Scye depth ^c	6-5/8	6-3/4	7
Armscye to waist ^d	8	7-7/8	7-7/8
Waist to hips.....	7-1/2	7-3/4	8
Shoulder length ^d	4-1/8	4-1/4	4-1/4
Shoulder slope (degrees).....	23	23	23
Arm length, shoulder to wrist.....	21-1/4	21-1/2	21-3/4
Arm length, shoulder to elbow.....	12-1/4	12-3/8	12-1/2
Underarm length ^d	15-5/8	15-5/8	15-3/4
Crotch length, total.....	25-3/4	26-1/2	27-1/4
Crotch length, front.....	12-3/8	12-3/4	13-1/8
Cervicale to center front at waist	18-1/4	18-1/2	18-3/4
Waist length, front ^c	12-3/8	12-1/2	12-3/4
Waist length, back ^c	14-1/8	14-1/4	14-1/2
WEIGHTS (pounds)			
Weight, approximate.....	100	108	118

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

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WOMEN'S BODY MEASUREMENTS

Table 10. Regular (R) height, average hip^a

Size	30R	32R	34R	36R	38R	40R	42R ^b
GIRTH MEASUREMENTS (inches)							
Bust ^c	33	35	37	39	41	43	45
Waist ^c	25	27	29	31	33-1/2	36	38-1/2
Hip ^c	34	36	38	40	42	44	46
Neck base.....	14-1/2	14-3/4	15	15-1/4	15-5/8	16	16-3/8
Armscye.....	14-3/4	15-1/2	16-1/4	17	17-3/4	18-1/2	19-1/4
Abdominal extension ^c	32-3/4	34-3/4	36-3/4	38-3/4	41	43-1/4	45-1/2
Sitting spread.....	34-1/2	36-1/2	38-1/2	40-1/2	42-1/2	45	47-1/2
Thigh, maximum.....	19-1/2	20-3/4	22	23-1/4	24-1/2	25-3/4	27
Thigh, mid.....	17-1/4	18-1/4	19-1/4	20-1/4	21-1/4	22-1/4	23-1/4
Knee.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4
Calf.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Ankle.....	8-5/8	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8	10-1/8
Upper arm.....	9-7/8	10-5/8	11-3/8	12-1/8	12-7/8	13-5/8	14-3/8
Elbow.....	9-1/2	9-7/8	10-1/4	10-5/8	11	11-3/8	11-3/4
Wrist.....	5-5/8	5-3/4	5-7/8	6	6-1/8	6-1/4	6-3/8
Vertical trunk.....	59	60-1/2	62	63-1/2	65	67	69
ARC MEASUREMENTS (inches)							
Bust, front ^c	18-3/4	20	21-1/4	22-1/2	23-3/4	25	26-1/4
Waist, front ^c	13-3/4	15	16-1/4	17-1/2	19	20-1/2	22
Abdominal extension, front ^c	17-1/2	18-1/2	19-1/2	20-1/2	21-3/4	23	24-1/4
Hip, back ^c	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4	22-3/4
VERTICAL MEASUREMENTS (inches)							
Stature (total height).....	63-1/2	64	64-1/2	65	65-1/2	66	66-1/2
Cervicale height.....	54-1/2	55	55-1/2	56	56-1/2	57	57-1/2
Waist height.....	39-5/8	40	40-3/8	40-3/4	41-1/8	41-1/2	41-7/8
Abdominal extension height.....	36-1/8	36-1/4	36-3/8	36-1/2	36-5/8	36-3/4	36-7/8
Hip height.....	31-3/4	31-7/8	32	32-1/8	32-1/4	32-3/8	32-1/2
Sitting spread height ^d	29-1/8	29-3/8	29-1/2	29-3/4	29-7/8	30-1/8	30-1/4
Crotch height.....	28-3/8	28-1/2	28-5/8	28-3/4	28-7/8	29	29-1/8
Knee height.....	17-1/8	17-1/4	17-3/8	17-1/2	17-5/8	17-3/4	17-7/8
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	24-3/4	25	25-1/4	25-1/2	25-3/4	26	26-1/4
WIDTH AND LENGTH MEASUREMENTS (inches)							
Cross-back width.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Cross-chest width.....	11-1/2	11-7/8	12-1/4	12-5/8	13	13-3/8	13-3/4
Bust point to bust point, across.....	6-3/4	7	7-1/4	7-1/2	7-3/4	8	8-1/4
Neck to bust point ^c	9-1/8	9-5/8	10-1/8	10-5/8	11-1/8	11-5/8	12-1/8
Scye depth ^d	7-1/2	7-3/4	7-7/8	8-1/8	8-1/4	8-1/2	8-5/8
Armscye to waist ^e	8-1/8	8-1/8	8	8	7-7/8	7-7/8	7-3/4
Waist to hips.....	8-3/8	8-5/8	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8
Shoulder length ^e	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8	4-5/8	4-3/4
Shoulder slope (degrees).....	23	23	23	23	23	23	23
Arm length, shoulder to wrist.....	23	23-1/4	23-1/2	23-3/4	24	24-1/4	24-1/2
Arm length, shoulder to elbow.....	13-1/8	13-1/4	13-3/8	13-1/2	13-5/8	13-3/4	13-7/8
Underarm length ^e	16-5/8	16-5/8	16-3/4	16-3/4	16-7/8	16-7/8	17
Crotch length, total.....	28	29	30	31	32	33-1/2	35
Crotch length, front.....	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4	16-1/2	17-1/4
Cervicale to center front at waist....	19-1/4	19-1/2	19-3/4	20	20-3/8	20-3/4	21-1/8
Waist length, front ^d	13-3/8	13-1/2	13-3/4	13-7/8	14-1/8	14-1/4	14-1/2
Waist length, back ^d	15-1/2	15-5/8	15-7/8	16	16-1/4	16-3/8	16-5/8

WEIGHTS (pounds)

Weight, approximate.....	112	124	136	152	168	184	200
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^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bFor sizes beyond 42 see appendix A.

^cAdjusted measurements--see par. 7.2.

^dPattern grade 3/16 inch every size.

^ePattern grade 1/16 inch every size.

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Table 11. Tall (T) height, average hip^a

Size	32T	34T	36T	38T	40T ^b
GIRTH MEASUREMENTS (inches)					
Bust ^c	35	37	39	41	43
Waist ^c	27	29	31	33	35
Hip ^c	36	38	40	42	44
Neck base	14-7/8	15-1/4	15-5/8	16	16-3/8
Armscye	15-7/8	16-5/8	17-3/8	18-1/8	18-7/8
Abdominal extension ^c	34-1/2	36-1/2	38-1/2	40-1/2	42-1/2
Sitting spread	36-1/2	38-1/2	40-1/2	42-1/2	44-1/2
Thigh, maximum	20-3/4	22	23-1/4	24-1/2	25-3/4
Thigh, mid.	18-1/4	19-1/4	20-1/4	21-1/4	22-1/4
Knee	13-3/8	13-7/8	14-3/8	14-7/8	15-3/8
Calf	12-7/8	13-3/8	13-7/8	14-3/8	14-7/8
Ankle	9-1/8	9-3/8	9-5/8	9-7/8	10-1/8
Upper arm	10-5/8	11-3/8	12-1/8	12-7/8	13-5/8
Elbow	10	10-3/8	10-3/4	11-1/8	11-1/2
Wrist	5-7/8	6	6-1/8	6-1/4	6-3/8
Vertical trunk	63	64-1/2	66	67-1/2	69
ARC MEASUREMENTS (inches)					
Bust, front ^c	20	21-1/4	22-1/2	24	25-1/2
Waist, front ^c	15	16-1/4	17-1/2	18-3/4	20
Abdominal extension, front ^c	18-1/2	19-1/2	20-1/2	21-1/2	22-1/2
Hip, back ^c	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
VERTICAL MEASUREMENTS (inches)					
Stature (total height)	68	68-1/2	69	69-1/2	70
Cervicale height	59	59-1/2	60	60-1/2	61
Waist height	43-1/8	43-1/2	43-7/8	44-1/4	44-5/8
Abdominal extension height	39-1/2	39-5/8	39-3/4	39-7/8	40
Hip height	34-3/8	34-1/2	34-5/8	34-3/4	34-7/8
Sitting spread height ^d	32	32-1/8	32-3/8	32-1/2	32-3/4
Crotch height	31-3/8	31-1/2	31-5/8	31-3/4	31-7/8
Knee height	18-7/8	19	19-1/8	19-1/4	19-3/8
Ankle height	3	3	3	3	3
Sitting height	26-1/2	26-3/4	27	27-1/4	27-1/2
WIDTH AND LENGTH MEASUREMENTS (inches)					
Cross-back width	12-7/8	13-3/8	13-7/8	14-3/8	14-7/8
Cross-chest width	12-1/8	12-1/2	12-7/8	13-1/4	13-5/8
Bust point to bust point, across	7-1/4	7-1/2	7-3/4	8	8-1/4
Neck to bust point ^e	9-3/4	10-1/4	10-3/4	11-1/4	11-3/4
Scye depth ^d	8	8-1/8	8-3/8	8-1/2	8-3/4
Armscye to waist ^e	8-5/8	8-5/8	8-1/2	8-1/2	8-3/8
Waist to hips	9-1/4	9-1/2	9-3/4	10	10-1/4
Shoulder length ^e	4-1/2	4-5/8	4-5/8	4-3/4	4-3/4
Shoulder slope (degrees)	24	24	24	24	24
Arm length, shoulder to wrist	24-1/2	24-3/4	25	25-1/4	25-1/2
Arm length, shoulder to elbow	14-1/8	14-1/4	14-3/8	14-1/2	14-5/8
Underarm length ^e	17-5/8	17-5/8	17-3/4	17-3/4	17-7/8
Crotch length, total	30	31	32	33	34
Crotch length, front	14-1/2	15	15-1/2	16	16-1/2
Cervicale to center front at waist	20-5/8	21	21-3/8	21-3/4	22-1/8
Waist length, front	14-3/8	14-5/8	14-7/8	15-1/8	15-3/8
Waist length, back	16-3/4	17	17-1/4	17-1/2	17-3/4
WEIGHTS (pounds)					
Weight, approximate	130	144	160	176	192

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bExtrapolated

^cAdjusted measurements--see par. 7.2.

^dPattern grade 3/16 inch every size.

^ePattern grade 1/16 inch every size.

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Table 12. Regular (R) height, slender (-) hip^a

Size	32R-	34R-	36R-	38R-	40R-	42R-
GIRTH MEASUREMENTS (inches)						
Bust ^b	35	37	39	41	43	45
Waist ^b	27	29	31	33-1/2	36	38-1/2
Hip ^b	34	36	38	40	42	44
Neck base.....	14-3/4	15	15-1/4	15-5/8	16	16-3/8
Armscye.....	15-1/2	16-1/4	17	17-3/4	18-1/2	19-1/4
Abdominal extension ^b	34	36	38	40-1/4	42-1/2	44-3/4
Sitting spread.....	34-1/2	36-1/2	38-1/2	40-1/2	43	45-1/2
Thigh, maximum.....	19-3/4	21	22-1/4	23-1/2	24-3/4	26
Thigh, mid.....	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2	22-1/2
Knee.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Calf.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4
Ankle.....	8-3/4	9	9-1/4	9-1/2	9-3/4	10
Upper arm.....	10-5/8	11-3/8	12-1/8	12-7/8	13-5/8	14-3/8
Elbow.....	9-7/8	10-1/4	10-5/8	11	11-3/8	11-3/4
Wrist.....	5-3/4	5-7/8	6	6-1/8	6-1/4	6-3/8
Vertical trunk.....	60	61-1/2	63	64-1/2	66-1/2	68-1/2
ARC MEASUREMENTS (inches)						
Bust, front ^b	20	21-1/4	22-1/2	23-3/4	25	26-1/4
Waist, front ^b	15	16-1/4	17-1/2	19	20-1/2	22
Abdominal extension, front ^b	18	19	20	21-1/4	22-1/2	23-3/4
Hip, back ^b	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
VERTICAL MEASUREMENTS (inches)						
Stature (total height).....	64	64-1/2	65	65-1/2	66	66-1/2
Cervicale height.....	55	55-1/2	56	56-1/2	57	57-1/2
Waist height.....	40	40-3/8	40-3/4	41-1/8	41-1/2	41-7/8
Abdominal extension height.....	36-1/4	36-3/8	36-1/2	36-5/8	36-3/4	36-7/8
Hip height.....	31-7/8	32	32-1/8	32-1/4	32-3/8	32-1/2
Sitting spread height ^c	29-3/8	29-1/2	29-3/4	29-7/8	30-1/8	30-1/4
Crotch height.....	28-1/2	28-5/8	28-3/4	28-7/8	29	29-1/8
Knee height.....	17-1/4	17-3/8	17-1/2	17-5/8	17-3/4	17-7/8
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	25	25-1/4	25-1/2	25-3/4	26	26-1/4
WIDTH AND LENGTH MEASUREMENTS (inches)						
Cross-back width.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Cross-chest width.....	11-7/8	12-1/4	12-5/8	13	13-3/8	13-3/4
Bust point to bust point, across.....	7	7-1/4	7-1/2	7-3/4	8	8-1/4
Neck to bust point ^b	9-5/8	10-1/8	10-5/8	11-1/8	11-5/8	12-1/8
Scye depth ^c	7-3/4	7-7/8	8-1/8	8-1/4	8-1/2	8-5/8
Armscye to waist ^d	8-1/8	8	8	7-7/8	7-7/8	7-3/4
Waist to hips.....	8-5/8	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8
Shoulder length ^d	4-3/8	4-1/2	4-1/2	4-5/8	4-5/8	4-3/4
Shoulder slope (degrees).....	23	23	23	23	23	23
Arm length, shoulder to wrist.....	23-1/4	23-1/2	23-3/4	24	24-1/4	24-1/2
Arm length, shoulder to elbow.....	13-1/4	13-3/8	13-1/2	13-5/8	13-3/4	13-7/8
Underarm length ^d	16-5/8	16-3/4	16-3/4	16-7/8	16-7/8	17
Crotch length, total.....	28-1/2	29-1/2	30-1/2	31-1/2	33	34-1/2
Crotch length, front.....	14	14-1/2	15	15-1/2	16-1/4	17
Cervicale to center front at waist.....	19-1/2	19-3/4	20	20-3/8	20-3/4	21-1/8
Waist length, front ^c	13-1/2	13-3/4	13-7/8	14-1/8	14-1/4	14-1/2
Waist length, back ^c	15-5/8	15-7/8	16	16-1/4	16-3/8	16-5/8

WEIGHTS (pounds)

Weight, approximate.....	118	130	146	162	178	194
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^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

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Table 13. Regular (R) height, full (+) hip^a

Size	28R+	30R+	32R+	34R+	36R+	38R+
GIRTH MEASUREMENTS (inches)						
Bust ^b	31	33	35	37	39	41
Waist ^b	24	25	27	29	31	33-1/2
Hip ^b	34	36	38	40	42	44
Neck base.....	14-1/4	14-1/2	14-3/4	15	15-1/4	15-5/8
Armscye.....	14	14-3/4	15-1/2	16-1/4	17	17-3/4
Abdominal extension ^b	32	33-1/2	35-1/2	37-1/2	39-1/2	41-3/4
Sitting spread.....	34-1/2	36-1/2	38-1/2	40-1/2	42-1/2	44-1/2
Thigh, maximum.....	19-1/4	20-1/2	21-3/4	23	24-1/4	25-1/2
Thigh, mid.....	17	18	19	20	21	22
Knee.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Calf.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4
Ankle.....	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4
Upper arm.....	9-1/8	9-7/8	10-5/8	11-3/8	12-1/8	12-7/8
Elbow.....	9-1/8	9-1/2	9-7/8	10-1/4	10-5/8	11
Wrist.....	5-1/2	5-5/8	5-3/4	5-7/8	6	6-1/8
Vertical trunk.....	58-1/2	60	61-1/2	63	64-1/2	66
ARC MEASUREMENTS (inches)						
Bust, front ^b	17-1/2	18-3/4	20	21-1/4	22-1/2	23-3/4
Waist, front ^b	13	13-3/4	15	16-1/4	17-1/2	19
Abdominal extension, front ^b	17-1/4	18	19	20	21	22-1/4
Hip, back ^b	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
VERTICAL MEASUREMENTS (inches)						
Stature (total height).....	63	63-1/2	64	64-1/2	65	65-1/2
Cervicale height.....	54	54-1/2	55	55-1/2	56	56-1/2
Waist height.....	39-1/4	39-5/8	40	40-3/8	40-3/4	41-1/8
Abdominal extension height.....	36	36-1/8	36-1/4	36-3/8	36-1/2	36-5/8
Hip height.....	31-5/8	31-3/4	31-7/8	32	32-1/8	32-1/4
Sitting spread height ^c	29	29-1/8	29-3/8	29-1/2	29-3/4	29-7/8
Crotch height.....	28-1/4	28-3/8	28-1/2	28-5/8	28-3/4	28-7/8
Knee height.....	17	17-1/8	17-1/4	17-3/8	17-1/2	17-5/8
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	24-1/2	24-3/4	25	25-1/4	25-1/2	25-3/4
WIDTH AND LENGTH MEASUREMENTS (inches)						
Cross-back width.....	11-3/4	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4
Cross-chest width.....	11-1/8	11-1/2	11-7/8	12-1/4	12-5/8	13
Bust point to bust point, across.....	6-1/2	6-3/4	7	7-1/4	7-1/2	7-3/4
Neck to bust point ^b	8-5/8	9-1/8	9-5/8	10-1/8	10-5/8	11-1/8
Scye depth ^c	7-3/8	7-1/2	7-3/4	7-7/8	8-1/8	8-1/4
Armscye to waist ^d	8-1/4	8-1/8	8-1/8	8	8	7-7/8
Waist to hips.....	8-1/8	8-3/8	8-5/8	8-7/8	9-1/8	9-3/8
Shoulder length ^d	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8
Shoulder slope (degrees).....	23	23	23	23	23	23
Arm length, shoulder to wrist.....	22-3/4	23	23-1/4	23-1/2	23-3/4	24
Arm length, shoulder to elbow.....	13	13-1/8	13-1/4	13-3/8	13-1/2	13-5/8
Underarm length ^d	16-1/2	16-5/8	16-5/8	16-3/4	16-3/4	16-7/8
Crotch length, total.....	27-3/4	28-3/4	29-3/4	30-3/4	31-3/4	32-3/4
Crotch length, front.....	13-5/8	14-1/8	14-5/8	15-1/8	15-5/8	16-1/8
Cervicale to center front at waist.....	19	19-1/4	19-1/2	19-3/4	20	20-3/8
Waist length, front ^c	13-1/8	13-3/8	13-1/2	13-3/4	13-7/8	14-1/8
Waist length, back ^c	15-1/4	15-1/2	15-5/8	15-7/8	16	16-1/4
WEIGHTS (pounds)						
Weight, approximate.....	106	118	130	142	158	174

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

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Table 14. Tall (T) height, full (+) hip^a

Size	30T+	32T+	34T+	36T+
GIRTH MEASUREMENTS (inches)				
Bust ^b	33	35	37	39
Waist ^b	25	27	29	31
Hip ^b	36	38	40	42
Neck base.....	14-1/2	14-7/8	15-1/4	15-5/8
Armscye.....	15-1/8	15-7/8	16-5/8	17-3/8
Abdominal extension ^b	33	35	37	39
Sitting spread.....	36-1/2	38-1/2	40-1/2	42-1/2
Thigh, maximum.....	20-1/2	21-3/4	23	24-1/4
Thigh, mid.....	18	19	20	21
Knee.....	13-3/8	13-7/8	14-3/8	14-7/8
Calf.....	12-3/4	13-1/4	13-3/4	14-1/4
Ankle.....	9	9-1/4	9-1/2	9-3/4
Upper arm.....	9-7/8	10-5/8	11-3/8	12-1/8
Elbow.....	9-5/8	10	10-3/8	10-3/4
Wrist.....	5-3/4	5-7/8	6	6-1/8
Vertical trunk.....	62	63-1/2	65	66-1/2
ARC MEASUREMENTS (inches)				
Bust, front ^b	18-3/4	20	21-1/4	22-1/2
Waist, front ^b	13-3/4	15	16-1/4	17-1/2
Abdominal extension, front ^b	17-3/4	18-3/4	19-3/4	20-3/4
Hip, back ^b	17-1/2	18-1/2	19-1/2	20-1/2
VERTICAL MEASUREMENTS (inches)				
Stature (total height).....	67-1/2	68	68-1/2	69
Cervicale height.....	58-1/2	59	59-1/2	60
Waist height.....	42-3/4	43-1/8	43-1/2	43-7/8
Abdominal extension height.....	39-3/8	39-1/2	39-5/8	39-3/4
Hip height.....	34-1/4	34-3/8	34-1/2	34-5/8
Sitting spread height ^c	31-3/4	32	32-1/8	32-3/8
Crotch height.....	31-1/4	31-3/8	31-1/2	31-5/8
Knee height.....	18-3/4	18-7/8	19	19-1/8
Ankle height.....	3	3	3	3
Sitting height.....	26-1/4	26-1/2	26-3/4	27
WIDTH AND LENGTH MEASUREMENTS (inches)				
Cross-back width.....	12-3/8	12-7/8	13-3/8	13-7/8
Cross-chest width.....	11-3/4	12-1/8	12-1/2	12-7/8
Bust point to bust point, across.....	7	7-1/4	7-1/2	7-3/4
Neck to bust point ^b	9-1/4	9-3/4	10-1/4	10-3/4
Scye depth ^c	7-3/4	8	8-1/8	8-3/8
Armscye to waist ^d	8-3/4	8-5/8	8-5/8	8-1/2
Waist to hips.....	9	9-1/4	9-1/2	9-3/4
Shoulder length ^d	4-1/2	4-1/2	4-5/8	4-5/8
Shoulder slope (degrees).....	24	24	24	24
Arm length, shoulder to wrist.....	24-1/4	24-1/2	24-3/4	25
Arm length, shoulder to elbow.....	14	14-1/8	14-1/4	14-3/8
Underarm length ^d	17-1/2	17-5/8	17-5/8	17-3/4
Crotch length, total.....	29	30	31	32
Crotch length, front.....	14	14-1/2	15	15-1/2
Cervicale to center front at waist.....	20-1/4	20-5/8	21	21-3/8
Waist length, front.....	14-1/8	14-3/8	14-5/8	14-7/8
Waist length, back.....	16-1/2	16-3/4	17	17-1/4
WEIGHTS (pounds)				
Weight, approximate.....	124	138	152	168

^aThese are body measurements, and they are not to be interpreted as garment measurements.^bAdjusted measurements--see par. 7.2.^cpattern grade 3/16 inch every size.^dpattern grade 1/16 inch every size.

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HALF-SIZE (WOMEN'S) BODY MEASUREMENTS

Table 15. Half-sizes (short height), average hip^a

Size	10-1/2	12-1/2	14-1/2	16-1/2	18-1/2	20-1/2	22-1/2	24-1/2 ^b
GIRTH MEASUREMENTS (inches)								
Bust ^c	33	35	37	39	41	43	45	47
Waist ^c	25-1/2	27-1/2	29-1/2	31-1/2	33-1/2	36	38-1/2	41
Hip ^c	34	36	38	40	42	44	46	48
Neck base	14-3/8	14-5/8	14-7/8	15-1/4	15-5/8	16	16-3/8	16-3/4
Armscye.....	14-1/2	15-1/4	16	16-3/4	17-1/2	18-1/4	19	19-3/4
Abdominal extension ^c	32-1/2	34-1/2	36-1/2	38-1/2	40-1/2	42-3/4	45	47-1/4
Sitting spread.....	34-1/2	36-1/2	38-1/2	40-1/2	42-1/2	45	47-1/2	50
Thigh, maximum.....	19-1/2	20-3/4	22	23-1/4	24-1/2	25-3/4	27	28-1/4
Thigh, mid.....	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2	22-1/2	23-1/2	24-1/2
Knee	12-5/8	13-1/8	13-5/8	14-1/8	14-5/8	15-1/8	15-5/8	16-1/8
Calf.....	12-1/8	12-5/8	13-1/8	13-5/8	14-1/8	14-5/8	15-1/8	15-5/8
Ankle	8-3/8	8-5/8	8-7/8	9-1/8	9-3/8	9-5/8	9-7/8	10-1/8
Upper arm.....	10	10-3/4	11-1/2	12-1/4	13	13-3/4	14-1/2	15-1/4
Elbow.....	9-3/8	9-3/4	10-1/8	10-1/2	10-7/8	11-1/4	11-5/8	12
Wrist.....	5-1/2	5-5/8	5-3/4	5-7/8	6	6-1/8	6-1/4	6-3/8
Vertical trunk.....	56-1/2	58	59-1/2	61	63	65	67	69
ARC MEASUREMENTS (inches)								
Bust, front ^c	18-3/4	20	21-1/4	22-1/2	23-3/4	25	26-1/4	27-1/2
Waist, front ^c	14	15-1/4	16-1/2	17-3/4	19	20-1/2	22	23-1/2
Abdominal extension, front ^c	17-1/2	18-1/2	19-1/2	20-1/2	21-1/2	22-3/4	24	25-1/4
Hip, back ^c	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4	22-3/4	23-3/4
VERTICAL MEASUREMENTS (inches)								
Stature (total height).....	60	60-1/2	61	61-1/2	62	62-1/2	63	63-1/2
Cervicale height.....	51	51-1/2	52	52-1/2	53	53-1/2	54	54-1/2
Waist height.....	37	37-3/8	37-3/4	38-1/8	38-1/2	38-7/8	39-1/4	39-5/8
Abdominal extension height.....	34	34-1/8	34-1/4	34-3/8	34-1/2	34-5/8	34-3/4	34-7/8
Hip height.....	29-3/4	29-7/8	30	30-1/8	30-1/4	30-3/8	30-1/2	30-5/8
Sitting spread height ^d	27-1/8	27-3/8	27-1/2	27-3/4	27-7/8	28-1/8	28-1/4	28-1/2
Crotch height.....	26-1/2	26-5/8	26-3/4	26-7/8	27	27-1/8	27-1/4	27-3/8
Knee height.....	16-1/8	16-1/4	16-3/8	16-1/2	16-5/8	16-3/4	16-7/8	17
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	23-1/2	23-3/4	24	24-1/4	24-1/2	24-3/4	25	25-1/4
WIDTH AND LENGTH MEASUREMENTS (inches)								
Cross-back width.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4
Cross-chest width.....	11-3/8	11-3/4	12-1/8	12-1/2	12-7/8	13-1/4	13-5/8	14
Bust point to bust point, across.....	6-5/8	6-7/8	7-1/8	7-3/8	7-5/8	7-7/8	8-1/8	8-3/8
Neck to bust point ^c	9-1/8	9-5/8	10-1/8	10-5/8	11-1/8	11-5/8	12-1/8	12-5/8
Scye depth ^d	7-1/8	7-3/8	7-1/2	7-3/4	7-7/8	8-1/8	8-1/4	8-1/2
Armscye to waist ^e	7-3/4	7-3/4	7-5/8	7-5/8	7-1/2	7-1/2	7-3/8	7-3/8
Waist to hips.....	7-3/4	8	8-1/4	8-1/2	8-3/4	9	9-1/4	9-1/2
Shoulder length ^e	4-1/4	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8	4-5/8
Shoulder slope (degrees).....	23	23	23	23	23	23	23	23
Arm length, shoulder to wrist.....	21-1/2	21-3/4	22	22-1/4	22-1/2	22-3/4	23	23-1/4
Arm length, shoulder to elbow.....	12-3/8	12-1/2	12-5/8	12-3/4	12-7/8	13	13-1/8	13-1/4
Underarm length ^e	15-1/2	15-1/2	15-5/8	15-5/8	15-3/4	15-3/4	15-7/8	15-7/8
Crotch length, total.....	27-1/2	28-1/2	29-1/2	30-1/2	32	33-1/2	35	36-1/2
Crotch length, front.....	13-1/4	13-3/4	14-1/4	14-3/4	15-1/2	16-1/4	17	17-3/4
Cervicale to center front at waist.....	18-5/8	18-7/8	19-1/8	19-1/2	19-7/8	20-1/4	20-5/8	21
Waist length, front.....	12-1/2	12-3/4	13	13-1/4	13-1/2	13-3/4	14	14-1/4
Waist length, back.....	14-3/8	14-5/8	14-7/8	15-1/8	15-3/8	15-5/8	15-7/8	16-1/8

WEIGHTS (pounds)

Weight, approximate	106	118	130	144	160	176	192	208
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^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bExtrapolated.

^cAdjusted measurements--see par. 7.2.

^dPattern grade 3/16 inch every size.

^ePattern grade 1/16 inch every size.

SIZING OF WOMEN'S APPAREL

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Table 16. Half-sizes (short height), slender (-) hip^a

Size	12-1/2-	14-1/2-	16-1/2-	18-1/2-	20-1/2-	22-1/2-
GIRTH MEASUREMENTS (inches)						
Bust ^b	35	37	39	41	43	45
Waist ^b	27-1/2	29-1/2	31-1/2	33-1/2	36	38-1/2
Hip ^b	34	36	38	40	42	44
Neck base	14-5/8	14-7/8	15-1/4	15-5/8	16	16-3/8
Armscye	15-1/4	16	16-3/4	17-1/2	18-1/4	19
Abdominal extension ^b	33-1/2	35-1/2	37-1/2	39-1/2	41-3/4	44
Sitting spread	34-1/2	36-1/2	38-1/2	40-1/2	43	45-1/2
Thigh, maximum	19-3/4	21	22-1/4	23-1/2	24-3/4	26
Thigh, mid	18	19	20	21	22	23
Knee	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Calf	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4
Ankle	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4
Upper arm	10-3/4	11-1/2	12-1/4	13	13-3/4	14-1/2
Elbow	9-3/4	10-1/8	10-1/2	10-7/8	11-1/4	11-5/8
Wrist	5-5/8	5-3/4	5-7/8	6	6-1/8	6-1/4
Vertical trunk	57-1/2	59	60-1/2	62-1/2	64-1/2	66-1/2
ARC MEASUREMENTS (inches)						
Bust, front ^b	20	21-1/4	22-1/2	23-3/4	25	26-1/4
Waist, front ^b	15-1/4	16-1/2	17-3/4	19	20-1/2	22
Abdominal extension, front ^b	18	19	20	21	22-1/4	23-1/2
Hip, back ^b	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4
VERTICAL MEASUREMENTS (inches)						
Stature (total height)	60-1/2	61	61-1/2	62	62-1/2	63
Cervicale height	51-1/2	52	52-1/2	53	53-1/2	54
Waist height	37-3/8	37-3/4	38-1/8	38-1/2	38-7/8	39-1/4
Abdominal extension height	34-1/8	34-1/4	34-3/8	34-1/2	34-5/8	34-3/4
Hip height	29-7/8	30	30-1/8	30-1/4	30-3/8	30-1/2
Sitting spread height ^c	27-3/8	27-1/2	27-3/4	27-7/8	28-1/8	28-1/4
Crotch height	26-5/8	26-3/4	26-7/8	27	27-1/8	27-1/4
Knee height	16-1/4	16-3/8	16-1/2	16-5/8	16-3/4	16-7/8
Ankle height	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height	23-3/4	24	24-1/4	24-1/2	24-3/4	25
WIDTH AND LENGTH MEASUREMENTS (inches)						
Cross-back width	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Cross-chest width	11-3/4	12-1/8	12-1/2	12-7/8	13-1/4	13-5/8
Bust point to bust point, across	6-7/8	7-1/8	7-3/8	7-5/8	7-7/8	8-1/8
Neck to bust point ^b	9-5/8	10-1/8	10-5/8	11-1/8	11-5/8	12-1/8
Scye depth ^c	7-3/8	7-1/2	7-3/4	7-7/8	8-1/8	8-1/4
Armscye to waist ^d	7-3/4	7-5/8	7-5/8	7-1/2	7-1/2	7-3/8
Waist to hips	8	8-1/4	8-1/2	8-3/4	9	9-1/4
Shoulder length ^d	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8
Shoulder slope (degrees)	23	23	23	23	23	23
Arm length, shoulder to wrist	21-3/4	22	22-1/4	22-1/2	22-3/4	23
Arm length, shoulder to elbow	12-1/2	12-5/8	12-3/4	12-7/8	13	13-1/8
Underarm length ^d	15-1/2	15-5/8	15-5/8	15-3/4	15-3/4	15-7/8
Crotch length, total	27-3/4	28-3/4	29-3/4	31-1/4	32-3/4	34-1/4
Crotch length, front	13-3/8	13-7/8	14-3/8	15-1/8	15-7/8	16-5/8
Cervicale to center front at waist	18-7/8	19-1/8	19-1/2	19-7/8	20-1/4	20-5/8
Waist length, front	12-3/4	13	13-1/4	13-1/2	13-3/4	14
Waist length, back	14-5/8	14-7/8	15-1/8	15-3/8	15-5/8	15-7/8
WEIGHTS (pounds)						
Weight, approximate	112	124	138	154	170	186

^aThese are body measurements, and they are not to be interpreted as garment measurements.^bAdjusted measurements--see par. 7.2.^cPattern grade 3/16 inch every size.^dPattern grade 1/16 inch every size.

Table 17. Half-sizes (short height), full (+) hip^a

Size	8-1/2+	10-1/2+	12-1/2+	14-1/2+	16-1/2+	18-1/2+	20-1/2+
GIRTH MEASUREMENTS (inches)							
Bust ^b	31	33	35	37	39	41	43
Waist ^b	24	25-1/2	27-1/2	29-1/2	31-1/2	33-1/2	36
Hip ^b	34	36	38	40	42	44	46
Neck base.....	14-1/8	14-3/8	14-5/8	14-7/8	15-1/4	15-5/8	16
Armscye.....	13-3/4	14-1/2	15-1/4	16	16-3/4	17-1/2	18-1/4
Abdominal extension ^b	31-3/4	33-1/2	35-1/2	37-1/2	39-1/2	41-1/2	43-3/4
Sitting spread.....	34-1/2	36-1/2	38-1/2	40-1/2	42-1/2	44-1/2	47
Thigh, maximum.....	19-1/4	20-1/2	21-3/4	23	24-1/4	25-1/2	26-3/4
Thigh, mid.....	17-1/4	18-1/4	19-1/4	20-1/4	21-1/4	22-1/4	23-1/4
Knee.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4
Calf.....	12	12-1/2	13	13-1/2	14	14-1/2	15
Ankle.....	8-1/4	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4
Upper arm.....	9-1/4	10	10-3/4	11-1/2	12-1/4	13	13-3/4
Elbow.....	9	9-3/8	9-3/4	10-1/8	10-1/2	10-7/8	11-1/4
Wrist.....	5-3/8	5-1/2	5-5/8	5-3/4	5-7/8	6	6-1/8
Vertical trunk.....	56	57-1/2	59	60-1/2	62	64	66
ARC MEASUREMENTS (inches)							
Bust, front ^b	17-1/2	18-3/4	20	21-1/4	22-1/2	23-3/4	25
Waist, front ^b	13	14	15-1/4	16-1/2	17-3/4	19	20-1/2
Abdominal extension, front ^b	17	18	19	20	21	22	23-1/4
Hip, back ^b	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4	21-3/4	22-3/4
VERTICAL MEASUREMENTS (inches)							
Stature (total height).....	59-1/2	60	60-1/2	61	61-1/2	62	62-1/2
Cervicale height.....	50-1/2	51	51-1/2	52	52-1/2	53	53-1/2
Waist height.....	36-5/8	37	37-3/8	37-3/4	38-1/8	38-1/2	38-7/8
Abdominal extension height.....	33-7/8	34	34-1/8	34-1/4	34-3/8	34-1/2	34-5/8
Hip height.....	29-5/8	29-3/4	29-7/8	30	30-1/8	30-1/4	30-3/8
Sitting spread height ^c	27	27-1/8	27-3/8	27-1/2	27-3/4	27-7/8	28-1/8
Crotch height.....	26-3/8	26-1/2	26-5/8	26-3/4	26-7/8	27	27-1/8
Knee height.....	16	16-1/8	16-1/4	16-3/8	16-1/2	16-5/8	16-3/4
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	23-1/4	23-1/2	23-3/4	24	24-1/4	24-1/2	24-3/4
WIDTH AND LENGTH MEASUREMENTS (inches)							
Cross-back width.....	11-3/4	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4
Cross-chest width.....	11	11-3/8	11-3/4	12-1/8	12-1/2	12-7/8	13-1/4
Bust point to bust point, across.....	6-3/8	6-5/8	6-7/8	7-1/8	7-3/8	7-5/8	7-7/8
Neck to bust point ^b	8-5/8	9-1/8	9-5/8	10-1/8	10-5/8	11-1/8	11-5/8
Scye depth ^c	7	7-1/8	7-3/8	7-1/2	7-3/4	7-7/8	8-1/8
Armscye to waist ^d	7-7/8	7-3/4	7-3/4	7-5/8	7-5/8	7-1/2	7-1/2
Waist to hips.....	7-1/2	7-3/4	8	8-1/4	8-1/2	8-3/4	9
Shoulder length ^d	4-1/8	4-1/4	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2
Shoulder slope (degrees).....	23	23	23	23	23	23	23
Arm length, shoulder to wrist.....	21-1/4	21-1/2	21-3/4	22	22-1/4	22-1/2	22-3/4
Arm length, shoulder to elbow.....	12-1/4	12-3/8	12-1/2	12-5/8	12-3/4	12-7/8	13
Underarm length ^d	15-3/8	15-1/2	15-1/2	15-5/8	15-5/8	15-3/4	15-3/4
Crotch length, total.....	27-1/4	28-1/4	29-1/4	30-1/4	31-1/4	32-3/4	34-1/4
Crotch length, front.....	13-1/8	13-5/8	14-1/8	14-5/8	15-1/8	15-7/8	16-5/8
Cervicale to center front at waist....	18-3/8	18-5/8	18-7/8	19-1/8	19-1/2	19-7/8	20-1/4
Waist length, front.....	12-1/4	12-1/2	12-3/4	13	13-1/4	13-1/2	13-3/4
Waist length, back.....	14-1/8	14-3/8	14-5/8	14-7/8	15-1/8	15-3/8	15-5/8

WEIGHTS (pounds)

Weight, approximate	100	112	124	136	150	166	182
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^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bAdjusted measurements--see par. 7.2.

^cPattern grade 3/16 inch every size.

^dPattern grade 1/16 inch every size.

SIZING OF WOMEN'S APPAREL

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JUNIORS' BODY MEASUREMENTS

Table 18. Regular (R) height, average hip^a

Size*	7R ^b	9R	11R	13R	15R	17R	19R
GIRTH MEASUREMENTS (inches)							
Bust ^c	30-1/2	32	33-1/2	35	36-1/2	38	39-1/2
Waist ^c	22-1/2	23-1/2	24-1/2	26	27-1/2	29	30-1/2
Hip ^c	32	33-1/2	35	37	39	41	43
Neck base.....	14-1/8	14-3/8	14-5/8	14-7/8	15-1/8	15-3/8	15-5/8
Armscye.....	13-3/8	14	14-5/8	15-1/4	15-7/8	16-1/2	17-1/8
Abdominal extension ^c	28-1/4	29-1/2	30-3/4	32-1/2	34-1/4	36	37-3/4
Sitting spread.....	32	33-1/2	35	37	39	41	43
Thigh, maximum.....	17-3/4	19	20-1/4	21-1/2	22-3/4	24	25-1/4
Thigh, mid.....	16	17	18	19	20	21	22
Knee.....	12-1/8	12-5/8	13-1/8	13-5/8	14-1/8	14-5/8	15-1/8
Calf.....	11-5/8	12-1/8	12-5/8	13-1/8	13-5/8	14-1/8	14-5/8
Ankle.....	8-1/4	8-1/2	8-3/4	9	9-1/4	9-1/2	9-3/4
Upper arm.....	8-3/4	9-3/8	10	10-5/8	11-1/4	11-7/8	12-1/2
Elbow.....	8-3/4	9-1/8	9-1/2	9-7/8	10-1/4	10-5/8	11
Wrist.....	5-3/8	5-1/2	5-5/8	5-3/4	5-7/8	6	6-1/8
Vertical trunk.....	55	56-1/2	58	59-1/2	61	62-1/2	64
ARC MEASUREMENTS (inches)							
Bust, front ^c	17	18	19	20	21	22	23
Waist, front ^c	11-3/4	12-1/2	13-1/4	14-1/4	15-1/4	16-1/4	17-1/4
Abdominal extension, front ^c	15-1/4	16	16-3/4	17-1/2	18-1/2	19-1/2	20-1/2
Hip, back ^c	15-3/4	16-1/2	17-1/4	18-1/4	19-1/4	20-1/4	21-1/4
VERTICAL MEASUREMENTS (inches)							
Stature (total height).....	62-1/2	63	63-1/2	64	64-1/2	65	65-1/2
Cervicale height.....	53-1/2	54	54-1/2	55	55-1/2	56	56-1/2
Waist height.....	38-7/8	39-1/4	39-5/8	40	40-3/8	40-3/4	41-1/8
Abdominal extension height.....	35-7/8	36-1/8	36-3/8	36-5/8	36-7/8	37-1/8	37-3/8
Hip height.....	31-1/2	31-5/8	31-3/4	31-7/8	32	32-1/8	32-1/4
Sitting spread height ^d	29	29-1/8	29-3/8	29-1/2	29-3/4	29-7/8	30-1/8
Crotch height.....	28-1/2	28-5/8	28-3/4	28-7/8	29	29-1/8	29-1/4
Knee height.....	17	17-1/8	17-1/4	17-3/8	17-1/2	17-5/8	17-3/4
Ankle height.....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height.....	24	24-1/4	24-1/2	24-3/4	25	25-1/4	25-1/2
WIDTH AND LENGTH MEASUREMENTS (inches)							
Cross-back width.....	11-3/4	12-1/8	12-1/2	12-7/8	13-1/4	13-5/8	14
Cross-chest width.....	11-3/8	11-5/8	11-7/8	12-1/8	12-3/8	12-5/8	12-7/8
Bust point to bust point, across.....	6-5/8	6-3/4	6-7/8	7	7-1/8	7-1/4	7-3/8
Neck to bust point ^c	8-1/2	8-3/4	9	9-3/8	9-3/4	10-1/8	10-1/2
Scye depth ^d	6-3/4	6-7/8	7-1/8	7-1/4	7-1/2	7-5/8	7-7/8
Armscye to waist ^e	8-5/8	8-1/2	8-1/2	8-3/8	8-3/8	8-1/4	8-1/4
Waist to hips.....	7-7/8	8-1/8	8-3/8	8-5/8	8-7/8	9-1/8	9-3/8
Shoulder length ^e	4-1/4	4-3/8	4-3/8	4-1/2	4-1/2	4-5/8	4-5/8
Shoulder slope (degrees).....	23	23	23	23	23	23	23
Arm length, shoulder to wrist.....	22-5/8	22-7/8	23-1/8	23-3/8	23-5/8	23-7/8	24-1/8
Arm length, shoulder to elbow.....	13	13-1/8	13-1/4	13-3/8	13-1/2	13-5/8	13-3/4
Underarm length ^e	16-1/2	16-5/8	16-5/8	16-3/4	16-3/4	16-7/8	16-7/8
Crotch length, total.....	25-1/4	26-1/4	27-1/4	28-1/4	29-1/4	30-1/4	31-1/4
Crotch length, front.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4	15-1/4
Cervicale to center front at waist....	18-3/4	19	19-1/4	19-1/2	19-3/4	20	20-1/4
Waist length, front ^d	12-7/8	13-1/8	13-1/4	13-1/2	13-5/8	13-7/8	14
Waist length, back ^d	14-7/8	15-1/8	15-1/4	15-1/2	15-5/8	15-7/8	16
WEIGHTS (pounds)							
Weight, approximate.....	94	104	114	124	136	150	166

*When the style of the garment, or the character of the fabric permits fewer sizes, alternative size markings may be used. For example, small (7-9), medium (11-13), etc. These are body measurements, and they are not to be interpreted as garment measurements. Extrapolated. Adjusted measurements--see par. 7.2.
Pattern grade 3/16 inch every size. Pattern grade 1/16 inch every size.

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Table 19. Tall (T) height, average hip^a

Size	9T ^b	11T	13T	15T	17T
GIRTH MEASUREMENTS (inches)					
Bust ^c	32	33-1/2	35	36-1/2	38
Waist ^c	23	24-1/2	26	27-1/2	29
Hip ^c	34	35-1/2	37	39	41
Neck base.....	14-1/2	14-3/4	15	15-1/4	15-1/2
Armscye.....	14-1/8	14-3/4	15-3/8	16	16-5/8
Abdominal extension ^c	29-3/4	31	32-1/4	34	35-3/4
Sitting spread.....	34	35-1/2	37	39	41
Thigh, maximum.....	19	20-1/4	21-1/2	22-3/4	24
Thigh, mid.....	16-3/4	17-3/4	18-3/4	19-3/4	20-3/4
Knee.....	12-3/4	13-1/4	13-3/4	14-1/4	14-3/4
Calf.....	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4
Ankle.....	8-3/4	9	9-1/4	9-1/2	9-3/4
Upper arm.....	9-1/4	9-7/8	10-1/2	11-1/8	11-3/4
Elbow.....	9-1/4	9-5/8	10	10-3/8	10-3/4
Wrist.....	5-5/8	5-3/4	5-7/8	6	6-1/8
Vertical trunk.....	58-1/2	60	61-1/2	63	64-1/2
ARC MEASUREMENTS (inches)					
Bust, front ^c	18	19	20	21	22
Waist, front ^c	12	13	14	15	16
Abdominal extension, front ^c	16	16-3/4	17-1/2	18-1/2	19-1/2
Hip, back ^c	16-3/4	17-1/2	18-1/4	19-1/4	20-1/4
VERTICAL MEASUREMENTS (inches)					
Stature (total height)	67	67-1/2	68	68-1/2	69
Cervicale height.....	58	58-1/2	59	59-1/2	60
Waist height.....	42-1/2	42-5/8	43	43-3/8	43-3/4
Abdominal extension height.....	38-7/8	39-1/4	39-5/8	40	40-3/8
Hip height.....	34-1/8	34-1/4	34-3/8	34-1/2	34-5/8
Sitting spread height ^d	31-5/8	31-7/8	32	32-1/4	32-3/8
Crotch height.....	30-7/8	31	31-1/8	31-1/4	31-3/8
Knee height.....	18-1/2	18-3/4	19	19-1/4	19-1/2
Ankle height.....	3	3	3	3	3
Sitting height.....	25-5/8	25-7/8	26-1/8	26-3/8	26-5/8
WIDTH AND LENGTH MEASUREMENTS (inches)					
Cross-back width.....	12-1/4	12-5/8	13	13-3/8	13-3/4
Cross-chest width.....	11-7/8	12-1/8	12-3/8	12-5/8	12-7/8
Bust point to bust point, across	6-7/8	7	7-1/8	7-1/4	7-3/8
Neck to bust point ^c	8-7/8	9-1/8	9-1/2	9-7/8	10-1/4
Scye depth ^d	7-1/8	7-3/8	7-1/2	7-3/4	7-7/8
Armscye to waist ^e	8-3/4	8-5/8	8-5/8	8-1/2	8-1/2
Waist to hips.....	8-3/4	9	9-1/4	9-1/2	9-3/4
Shoulder length ^e	4-1/2	4-5/8	4-5/8	4-3/4	4-3/4
Shoulder slope (degrees).....	23	23	23	23	23
Arm length, shoulder to wrist.....	24-1/4	24-1/2	24-3/4	25	25-1/4
Arm length, shoulder to elbow.....	13-7/8	14	14-1/8	14-1/4	14-3/8
Underarm length ^e	17-5/8	17-3/4	17-3/4	17-7/8	17-7/8
Crotch length, total.....	27-1/2	28-1/2	29-1/2	30-1/2	31-1/2
Crotch length, front.....	13-3/8	13-7/8	14-3/8	14-7/8	15-3/8
Cervicale to center front at waist	19-3/4	20	20-1/4	20-1/2	20-3/4
Waist length, front ^d	13-3/4	13-7/8	14-1/8	14-1/4	14-1/2
Waist length, back ^d	16	16-1/8	16-3/8	16-1/2	16-3/4
WEIGHTS (pounds)					
Weight, approximate.....	108	120	132	144	158

^aThese are body measurements, and they are not to be interpreted as garment measurements.

^bExtrapolated.

^cAdjusted measurements--see par. 7.2..

^dPattern grade 3/16 inch every size.

^ePattern grade 1/16 inch every size.

SIZING OF WOMEN'S APPAREL

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Table 20. Short (S) height, average hip^a

Size	9S	11S	13S	15S
GIRTH MEASUREMENTS (inches)				
Bust ^b	32	33-1/2	35	36-1/2
Waist ^b	23-1/2	24-1/2	26	27-1/2
Hip ^b	33-1/2	35	37	39
Neck base	14-1/4	14-1/2	14-3/4	15
Armscye	13-7/8	14-1/2	15-1/8	15-3/4
Abdominal extension ^b	29-3/4	31	32-3/4	34-1/2
Sitting spread	33-1/2	35	37	39
Thigh, maximum	19-1/4	20-1/2	21-3/4	23
Thigh, mid	17-1/4	18-1/4	19-1/4	20-1/4
Knee	12-1/2	13	13-1/2	14
Calf	12	12-1/2	13	13-1/2
Ankle	8-1/2	8-3/4	9	9-1/4
Upper arm	9-1/2	10-1/8	10-3/4	11-3/8
Elbow	9-1/8	9-1/2	9-7/8	10-1/4
Wrist	5-3/8	5-1/2	5-5/8	5-3/4
Vertical trunk	55	56	57	58
ARC MEASUREMENTS (inches)				
Bust, front ^b	18	19	20	21
Waist, front ^b	12-3/4	13-1/2	14-1/2	15-1/2
Abdominal extension, front ^b	15-3/4	16-1/2	17-1/2	18-1/2
Hip, back ^b	16-1/2	17-1/4	18-1/4	19-1/4
VERTICAL MEASUREMENTS (inches)				
Stature (total height)	59-1/2	60	60-1/2	61
Cervicale height	50-1/2	51	51-1/2	52
Waist height	36-3/4	37-1/8	37-1/2	37-7/8
Abdominal extension height	34-1/8	34-3/8	34-5/8	34-7/8
Hip height	29-5/8	29-3/4	29-7/8	30
Sitting spread height ^c	27-1/8	27-1/4	27-1/2	27-5/8
Crotch height	26-3/4	26-7/8	27	27-1/8
Knee height	16-1/8	16-1/4	16-3/8	16-1/2
Ankle height	2-3/4	2-3/4	2-3/4	2-3/4
Sitting height	23	23-1/4	23-1/2	23-3/4
WIDTH AND LENGTH MEASUREMENTS (inches)				
Cross-back width	12	12-3/8	12-3/4	13-1/8
Cross-chest width	11-3/8	11-5/8	11-7/8	12-1/8
Bust point to bust point, across	6-5/8	6-3/4	6-7/8	7
Neck to bust point ^b	8-5/8	8-7/8	9-1/4	9-5/8
Scye depth ^c	6-5/8	6-7/8	7	7-1/4
Armscye to waist ^d	8	8	7-7/8	7-7/8
Waist to hips	7-5/8	7-7/8	8-1/8	8-3/8
Shoulder length ^d	4-1/4	4-3/8	4-3/8	4-1/2
Shoulder slope (degrees)	23	23	23	23
Arm length, shoulder to wrist	21-3/8	21-5/8	21-7/8	22-1/8
Arm length, shoulder to elbow	12-1/4	12-3/8	12-1/2	12-5/8
Underarm length ^d	15-5/8	15-5/8	15-3/4	15-3/4
Crotch length, total	25-3/4	26-1/2	27-1/4	28
Crotch length, front	12-1/4	12-5/8	13	13-3/8
Cervicale to center front at waist	18-1/4	18-1/2	18-3/4	19
Waist length, front ^c	12-1/2	12-5/8	12-7/8	13
Waist length, back ^c	14-1/8	14-1/4	14-1/2	14-5/8
WEIGHTS (pounds)				
Weight, approximate	98	108	120	132

^aThese are body measurements, and they are not to be interpreted as garment measurements.^bAdjusted measurements--see par. 7.2.^cPattern grade 3/16 inch every size.^dPattern grade 1/16 inch every size.

9. IDENTIFICATION

9.1 In order that the trade and the consumer may be assured that body measurements for the sizing of Misses', Women's, and Juniors' apparel conform to the standard it is recommended that catalogs, trade, and sales literature carry the following statement:

Sizes of Misses', Women's, Half-Sizes,
(use applicable designation)
and/or Juniors' apparel are designated and proportioned in accordance with CS215-58, as developed by the trade, under the procedure of the Commodity Standards Division, and issued by the U. S. Department of Commerce.

9.2 In order to assure purchasers that garments conform to this system of body

measurement sizing, it is recommended that such garments be identified by a sticker, tag, hanger, or other label attached to the garment carrying the following information or some other more critical body measurement in addition to, or in place of, one or more of the girth measurements listed;

Size⁴ , CS215-58,

Bust , Waist , Hip

⁴Use here appropriate size designation, for example:
14R meaning size 14 bust; regular in height; average hip type,

or,
14T- meaning size 14 bust; tall in height; slender hip type,

or,
14+ meaning size 14 bust; short in height; full hip type.

APPENDIX A

LARGER WOMEN'S SIZES

In order to cover the larger women's size ranges—44 to 52 and 45 to 53—currently offered by the trade, it was decided to extend the Women's classification to provide for women over 200 pounds. Women in this category represent such a small percentage of the population, and the number of women over 200 pounds measured to the extent required by the research, represented an even smaller percentage. Consequently, adequate data were not available for those sizes.

To provide for the needs of industry it was decided to put into this appendix two tables of the principal measurements, based

on the idea that the height would be the same for all sizes and the bust and hip scales would be 2 inches size-to-size as commonly practiced by the trade. These tables reflect the experience of technicians gained in using and applying these data over a period of many years.

The tables are for the "regular" classification in height and the "average" hip type only. The data for the smallest size (42) is taken from the largest size of the women's classification, Women's Body Measurements, Table 10, Regular (R) height, average, hip, and extended to the larger sizes by extrapolation.

LARGER WOMEN'S BODY MEASUREMENTS

Appendix A—Table 1. Regular (R) height, average hip (sizes 44R-52R)

Size	42R ¹	44R	46R	48R	50R	52R
Bust girth.....	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Waist girth.....	45	47	49	51	53	55
Hip girth.....	38-1/2	41	43-1/2	46	48-1/2	51
Neck base girth.....	46	48	50	52	54	56
Armscye girth.....	16-3/8	16-3/4	17-1/8	17-1/2	17-7/8	18-1/4
Thigh girth, maximum.....	19-1/4	20	20-3/4	21-1/2	22-1/4	23
Upper arm girth.....	27	28-1/4	29-1/2	30-3/4	32	33-1/4
Stature (total height).....	14-3/8	15-1/8	15-7/8	16-5/8	17-3/8	18-1/8
Cervicale height.....	66-1/2	66-1/2	66-1/2	66-1/2	66-1/2	66-1/2
Waist height.....	57-1/2	57-1/2	57-1/2	57-1/2	57-1/2	57-1/2
Cross-back width.....	41-7/8	41-7/8	41-7/8	41-7/8	41-7/8	41-7/8
Cross-chest width.....	15-1/4	15-3/4	16-1/4	16-3/4	17-1/4	17-3/4
Waist to hip length.....	13-3/4	14-1/8	14-1/2	14-7/8	15-1/4	15-5/8
Shoulder length.....	9-7/8	9-7/8	9-7/8	9-7/8	9-7/8	9-7/8
Arm length, shoulder to wrist.....	4-3/4	4-3/4	4-7/8	4-7/8	5	5
Crotch length, total.....	24-1/2	24-5/8	24-3/4	24-7/8	25	25-1/8
Waist length, front.....	35-1/4	36-1/4	37-1/4	38-1/4	39-1/4	40-1/4
Waist length, back.....	14-1/2	14-5/8	14-3/4	14-7/8	15	15-1/8
	16-1/2	16-5/8	16-3/4	16-7/8	17	17-1/8

¹This size is not one of the larger women's sizes. It is repeated here for convenience from table 10.

APPENDIX A

Appendix A—Table 2. Regular (R) height, average hip (sizes 45R-53R)

Size	45R	47R	49R	51R	53R
	Inches	Inches	Inches	Inches	Inches
Bust girth.....	48	50	52	54	56
Waist girth	42	44-1/2	47	49-1/2	52
Hip girth.....	49	51	53	55	57
Neck base girth	17	17-3/8	17-3/4	18-1/8	18-1/2
Armscye girth.....	20-3/8	21-1/8	21-7/8	22-5/8	23-3/8
Thigh girth, maximum.....	29	30-1/4	31-1/2	32-3/4	34
Upper arm girth.....	15-1/2	16-1/4	17	17-3/4	18-1/2
Stature (total height).....	66-1/2	66-1/2	66-1/2	66-1/2	66-1/2
Cervicale height.....	57-1/2	57-1/2	57-1/2	57-1/2	57-1/2
Waist height	41-7/8	41-7/8	41-7/8	41-7/8	41-7/8
Cross-back width.....	16	16-1/2	17	17-1/2	18
Cross-chest width.....	14-3/8	14-3/4	15-1/8	15-1/2	15-7/8
Waist to hip length	9-7/8	9-7/8	9-7/8	9-7/8	9-7/8
Shoulder length.....	4-7/8	4-7/8	5	5	5-1/8
Arm length, shoulder to wrist.....	24-3/4	24-7/8	25	25-1/8	25-1/4
Crotch length, total.....	36-3/4	37-3/4	38-3/4	39-3/4	40-3/4
Waist length, front.....	14-3/4	14-7/8	15	15-1/8	15-1/4
Waist length, back.....	16-3/4	16-7/8	17	17-1/8	17-1/4

APPENDIX B

PERCENTAGE OF WOMEN IN STUDY AND IN THE SIZE CLASSIFICATION

The following table shows the percentage of women in the different classifications, body types, and height groups. These figures may be helpful to those who wish to study the market potentials of the system of sizing proposed. For example, what percent of women are represented by the main classifications? What percent by the various body types within a classification? What percent by the height groups within a body type?

The first total in the right hand column at the bottom indicates that 84 percent of the women are covered by the three classifications—Misses', Women's, and Half-Sizes (Shorter Women). The Junior size classification is set up as a competitive system based on style considerations rather than on separate and distinct body types. The size designations are odd and the interpolated measurements will be found close to trade practice.

However, one should not look at this table and expect to find there confirmation of one's own business experience. This is so for a number of reasons.

1. The system of sizing proposed is scientific and new, even though it is set up in traditional ready-to-wear sizing terminology.
2. The system is more comprehensive than is generally in use, and consequently direct comparisons cannot be made with trade experience (except, of course, where these same nine different body types are now exploited.)
3. The customer elects what size to buy from what is offered for sale. Only if all sizes in this standard were available to the customer, and only if every woman selected the size intended, would these percentages actually reflect trade experience.
4. For many types of garments—for example, a full circular-cut coat or cape—the full range of size classifications and body types would not be required. In these cases the percentages would change according to circumstances.

APPENDIX B

Appendix B—Table 1. Relative importance of the classifications, body types, and height groups

Measurement designation	Percent of total women in each classification	Percent of total women in study
MISSES¹		
Average hip type:		
Regulars.....	39	21
Talls.....	16	8
Shorts.....	7	4
Total.....	62	33
Slender hip type:		
Regulars.....	13	7
Talls.....	5	3
Shorts.....	2	1
Total.....	20	11
Full hip type:		
Regulars.....	12	7
Talls.....	4	2
Shorts.....	2	1
Total.....	18	10
Grand total.....	100
WOMEN'S INCLUDING SHORT WOMEN (Half-sizes)		
Average hip type:		
Regulars.....	21	6
Talls.....	5	2
Shorts (half sizes).....	21	6
Total.....	47	14
Slender hip type:		
Regulars.....	10	3
Talls.....	1	1
Shorts (half sizes).....	10	3
Total.....	21	7
Full hip type:		
Regulars.....	14	4
Talls.....	3	1
Shorts (half sizes).....	15	4
Total.....	32	9
Grand total.....	100	84
Women outside this sizing system		16
Grand total.....		100

¹The Junior's classification was developed from the same data as the Misses'. The relative values, therefore, would be similar to the Misses'--see par. 2.3(c).

EFFECTIVE DATE

Having met all procedural requirements of the Commodity Standards Division, including approval by the acceptors herein-after listed, this Commercial Standard was issued by the United States Department of Commerce, effective for T-shirts, July 1, 1958; for swim-wear, effective spring and summer merchandise 1959; for sweaters, effective fall and winter merchandise 1959.

EDWIN W. ELY,
Chief, Commodity Standards Division.

HISTORY

This Commercial Standard is based on a special research study made for the Commodity Standards Division of the Office of Technical Services, U. S. Department of Commerce by the National Bureau of Standards in cooperation with the Bureau of Human Nutrition and Home Economics of the U. S. Department of Agriculture. The research study was undertaken at the request of the Mail-Order Association of America to provide scientific body measurement data to industry for the sizing of women's apparel. The Quartermaster Corps, Research and Development Laboratories, Philadelphia, Pennsylvania, and the Corset and Brassiere Association of America contributed valuable assistance in the technical phases of the project.

Plans for the research were made in 1945. The actual research work was started in January 1949 and completed in April 1952.

In essence, the sizing proposal represented further statistical analyses of the data on which Miscellaneous Publication No. 454⁵ of the U. S. Department of Agriculture, "Women's Measurements for Garment and Pattern Construction," was based. These analyses, based on actual body measurements, scientifically sampled, and representing the predominant body types of the female population, provide precise information on the size-to-size relationships of one part of the body to the other, and provide this information for a larger number of body types than are commonly provided for in ready-to-wear apparel. The

sizing system proposed provides the means for fitting the maximum number of women with good-fitting clothes, without the need for repeated try-ons and expensive alterations.

It was sent out to the trade for comment and criticism as the *proposed* Commercial Standard TS 5200 in 1953. Advance presentations were made to all interested trade associations during February and March. On March 18, it was offered for consideration by the balance of the trade.

In the fall of 1953, the size data were first presented to the public in mail-order catalogs. As a result of their satisfactory experience with the proposal, it was offered to the trade for acceptance on January 6, 1955. The knitted outerwear industry, producers of sweaters, swimwear and T-shirts, showed the greatest interest in applying the standard and, on October 1, 1957, formally endorsed the recommendation. It was promulgated as Commercial Standard CS215-58 on February 24, 1958.

STANDING COMMITTEE

The following individuals comprise the membership of the standing committee, which is to review, prior to circulation for acceptance, revisions proposed to keep the standard abreast of progress. Comments concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Commodity Standards Division, Office of Technical Services, U. S. Department of Commerce, which acts as secretary for the committee.

Manufacturers:

Association.—Sidney S. Korzenik, Director-Counsel, National Knitted Outerwear Association, 386 Fourth Ave., New York 16, N. Y.

Sweaters.—R. V. Figueroa, Catalina, Inc., 443 S. San Pedro St., Los Angeles 13, Calif. (N.K.O.A.)

Alternate.—D. F. Reinalthal, Bamberger-Reinalthal Co., 6118 Kinsman Rd., Cleveland 4, Ohio. (N.K.O.A.)

Swimwear.—Abe Liebster, M. & M. Knitting Mills, Darien & Noble Sts., Philadelphia 23, Pa. (N.K.O.A.)

Alternate.—Ralph Westcott, Jantzen, Inc.,

Box 3300, Portland 8, Oreg. (N.K.O.A.)

T-Shirts.—James H. Coulter, Coulter Co., Inc., 1270 Broadway, New York 1, N. Y. (N.K.O.A.)

Alternate.—James Pillet, James Textile Corp., 555 Broadway, New York, N. Y. (N.K.O.A.)

⁵ Out of print.

Distributors:

Miss Dorothy G. Ashworth, Montgomery Ward, 75 Varick St., New York 13, N. Y. (Representing Mail Order Association of America.)
William Burston, Association of Buying Offices, 100 W. 31st St., New York 1, N. Y.
William Burston, National Retail Merchants Association, 100 W. 31st St., New York 1, N. Y.
J. Labarthe, Jr., Carnegie Institute of Technology, Pittsburgh, Pa. (Representing National Retail Merchants Association.)
Frank Ritzer, Alden's, Inc., 5000 W. Roosevelt Rd., Chicago 7, Ill. (Representing Mail-Order Association of America.)

Technologists:

Al Greenstein, Designers and Patternmakers Guild, 5736 Virginian Rd., Philadelphia 41, Pa.

Mrs. E. A. Kopp, Fashion Institute of Technology, 225 W. 24th St., New York 11, N. Y.
Miss Maxine Spengler, Quartermaster Research and Engineering Command, Natick, Mass.
Simon Wolf, Wolf Form Company, 140 Fifth Ave., New York 11, N. Y.

Consumers:

Mrs. Lola S. Deming, Statistical Engineering Division, National Bureau of Standards, Washington, D. C.
Miss Mabel D. Erwin, Department of Clothing and Textiles, Texas Technological College, Lubbock, Tex.
Miss Alpha Latzke, Department of Clothing and Textiles, Kansas State College, Manhattan, Kans.
Miss Margaret Smith, Institute of Home Economics, Agriculture Research Service, Beltsville, Md.

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